EAGLE CCTV

DIGITAL CCTV AT ITS BEST

RETAIL · MINING · TRANSPORTATION · HOSPITALITY · INDUSTRIAL · POLICE · MARINE

CCTV CATALOGUE 2013

www.eaglecctv.co.za

EagleCCTV Cape Town Head Office:
Tel: +27 21 423 4943
Fax:+27 21 424 4637
Toll Free: 0800 233 322 (RSA Only)
24 Burg Street, Cape Town, 8001

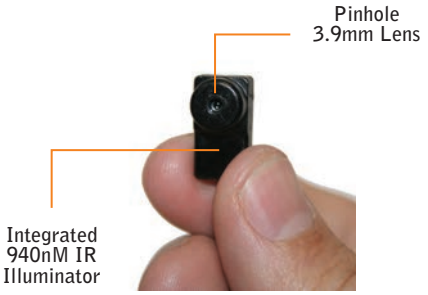
EagleCCTV Johannesburg:
Tel: 08600 EAGLE / 0860032453
Fax: +27 (0)21 4244637
208 Corlett Drive,
Bramley, Johannesburg

E-S907IR

B/W CMOS 90° Micro Camera with IR

B/W

1.5m IR RANGE

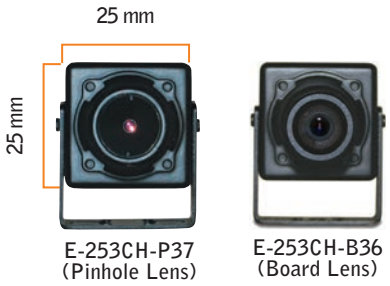


MODEL	E-S907IR
Lens	3.9 mm Flat Pinhole (F2.8)
Sensor	1/4" CCIQ III B/W VGA CMOS 50 fps progressive scan
Viewing Angle	52° Horiz
Resolution	550 TVL
Min. Illumin.	0.01 lux (F2.8)
Video Output	Analog 1 Vp-p 75 Ohm
S/N Ratio	< 47 dB
Infra-Red Illumination	Yes, IR LED 940nm x 16
Cable Entry	From the Bottom
Voltage & Current	5~12 VDC; 150mA
Operating Temperature	-10° C ~ +45° C
Dimensions (mm)	9.6 (W) x 18 (H) x 9.4 (D)

E-253CH

High Resolution Colour Mini Cameras

Colour Board Lens



MODEL	E-253CH-P37	E-253CH-B36
Lens	3.7 mm Super Cone Pinhole	3.6 mm Board Lens
Sensor	1/3" Sharp CCD	
Pixel Format (H x V)	752 (H) x 582 (V)	
Resolution	480 Horiz TVL	
S/N Ratio	Greater than 50 dB (AGC off)	
Min. Illumin.	0.8 lux (F2.0)	
Video Output	1V p~p 75 Ohm Composite Video (PAL)	
Voltage & Current	12 VDC; 80 mA (±3V)	
Operating Temp.	-10° C ~ +50° C	
Weight	70 g	
Dimensions (mm)	25 (W) x 25 (H) x 20.5 (D)	

E-22CHQX

Day / Night Pinhole Bullet Camera

IR COMPATIBLE

Day/Night

MODEL	E-22CHQX
Lens	3.7 mm (F2.0) Super Cone Pinhole Lens
Sensor	1/3" Sony Effio-E Ex-View CCD
Lens Angle	66°
Resolution	650 TVL (Day) 700TVL (Night)
Min Illumination	0.1 lux (F2.0)
Day/Night Switch Over At	2 Lux
IR Sensitivity	850 ~ 880 nm
S/N ratio	52 dB (AGC off)
Voltage & Current	12VDC; 100 mA
Operating Temp	-10 to 50°C
Weight	150 g
Dimensions (mm)	21 (Diam) x 65 (L)

E-S507

Colour CMOS 90° Micro Pinhole Camera

Colour Microphone

MODEL	E-S507
Lens	3.9 mm Flat Pinhole (F2.8)
Sensor	1/4" CCIQ II Color VGA CMOS 50 fps progressive scan
Colour	Colour
Viewing Angle	52° Horiz
Resolution	400 TVL
Min. Illumin.	1 lux (F2.8)
Video Output	Analog 1 Vp-p 75 Ohm
S/N Ratio	< 47 dB
Audio	Yes, Integrated Microphone
Cable Entry	From the Bottom
Voltage & Current	5~12 VDC; 50 mA
Operating Temperature	-10° C ~ +45° C
Dimensions (mm)	9.1 (W) x 23 (H) x 6.4 (D)

E-S588H-3S

Colour Pinhole CMOS Micro Snake Camera

Colour

MODEL	E-S588H-3S
Lens (-3S Model)	3.1 mm Flat Pinhole
Sensor	1/4" CCIQ III Color VGA CMOS 50 fps progressive scan
Colour	Colour
Viewing Angle (-3S Model)	63° Horiz
Resolution	480 TVL
Min. Illumin. (-3S Model)	1.2 lux (F3.4)
Video Output	Analog 1 Vp-p 75 Ohm
S/N Ratio	< 47 dB
Voltage & Current	5~12 VDC; 100 mA
Operating Temperature	-10° C ~ +45° C
Dimensions (mm)	8.6 (W) x 8.6 (H) x 10 (D)

E-S588H-2S

Colour CMOS Wide Angle Micro Snake Camera

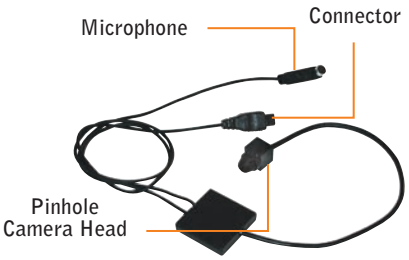
Colour

MODEL	E-S588H-2S
Lens (-2S Model)	2.1mm Wide Angle Lens
Sensor	1/4" CCIQ III Color VGA CMOS 50 fps progressive scan
Colour	Colour
Viewing Angle (-2S Model)	84° Horiz
Resolution	480 TVL
Min. Illumin. (-2S Model)	0.8 lux (F2.5)
Video Output	Analog 1 Vp-p 75 Ohm
S/N Ratio	< 47 dB
Voltage & Current	5~12 VDC; 100 mA
Operating Temperature	-10° C ~ +45° C
Dimensions (mm)	8.6 (W) x 8.6 (H) x 16 (D) mm

E-C480AD
B/W Snake Camera

IR COMPATIBLE

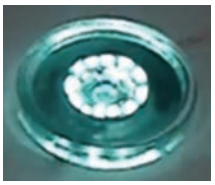
B/W Microphone



MODEL	E-C480AD
Lens	3.7mm Cone-Shaped Pinhole (F2.0)
Sensor	1/4" B/W CCD
Viewing Angle	51° Horiz
Resolution	570 TVL
Min. Illumin.	0.08 lux
Microphone	Yes, High Sensitive Microphone
S/N Ratio	Greater than 48 dB
Video Output	1 V p~p 75 Ohm
Voltage & Current	12VDC @ 80mA
Operating Temp.	-10°C ~ +45°C
Dimensions (Head) (mm)	11(W) x 11(H) x 18(D)
Dimensions (Electronics) mm	29 (W) x 29 (W) x 7 (D)

E-BUTTON-CAM-IR
B/W 'Button' Camera With IR Illumination

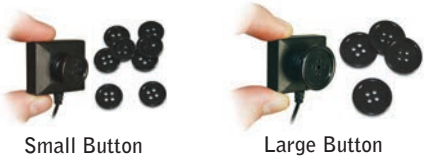
B/W 1.5m IR RANGE

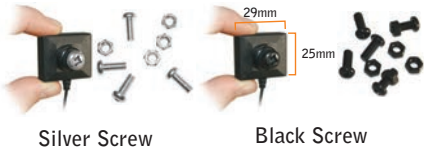


MODEL	E-BUTTON-CAM-IR
Sensor	1/4" CCIQIII B/W
Resolution	550 TVL
S/N Ratio	47dB
Minimum Illumination	0.02 Lux
Lens	4mm Pinhole (F2.0)
Horiz Viewing Angle	17 °
Infra-Red Illumination	12 x 940nM Hidden LEDs
Video Output	Analog 1 Vp-p 75 Ohm
Operating Voltage	5~12 VDC @ 150 mA
Dimensions (mm)	12 x 12 x 31 (Head), 30 x 30 x 7 (Board)

E-HEAD-CAM2
Mini Pinhole Camera with Interchangeable Heads

Colour Microphone





MODEL	E-HEAD-CAM 2
Lens	4.3 mm Pinhole Lens (F2.0)
Sensor	1/4" Sony CCD Sensor
Resolution	550 TVL
S/N Ratio	48dB
Illumination	0.8 lux (F2.0)
Audio Microphone	60 dbm sensitivity
Video Output	1V p~p 75 Ohm
Audio Output	2Vp~p 10KHz
Voltage & Current	5VDC 250 mA (5 - 9VDC)
Compatible DVR's	E-M5DVR-2, E-M8DVR
Dimensions (mm)	29 (W) x 25 (H) x 19 (T)
Weight	30g

E-C470EF-AT
Color 650TVL CCD Snake Camera

Colour Microphone

MODEL	E-C470EF-3TA
Lens	3.1mm Pinhole (F3.4)
Sensor	1/3" Color Ex-View CCD & Effio-E Chipset
Viewing Angle	75° Horiz
Resolution	650 TVL
Min. Illumin.	0.01 lux
OSD Menu	Yes
Microphone	Yes, High Sensitive on Cable
S/N Ratio	Greater than 48 dB
Video Output	1 V p~p 75 Ohm
Voltage & Current	12VDC @ 80mA
Operating Temp.	-10°C ~ +45°C
Dimensions (Head)	12(W) x 13(H) x 18(D) mm
Dimensions (Electronics)	95 (L) x 18.5 (W) mm

E-826-IR
Colour Hi-Resolution PIR Camera

Day/Night 3~5m IR RANGE

Day Screenshot Night Screenshot

MODEL	E-MD-500
Sensor	1/3" Sony SuperHAD CCD
Horiz Resolution	540 TVL
Min Illumination	0.2 lux
Lens	3.6mm Board Lens
S/N Ratio	52dB
White Balance	ATW 2500~9500°K
BLC	Auto
Video Output	1V p~p 750hm Composite Video
Power	12VDC (100mA)
Dimensions (Mirror) (mm)	280 (W) x 230 (H) x 195 (D)
Dimensions (Brackets) (mm)	195 (W) x 100 (H) x 72 (D)
Weight	1135g

E-647B
Covert 'Dummy' Smoke Detector Camera

Colour

MODEL	E-647B
Sensor	1/3"Sony Ex-View HAD II CCD
Resolution	650 TVL
Min.Illumin.	0.001 lux (F2.0)
Lens	3.7 mm (F2.0) Pinhole
S/N Ratio	50 dB
OSD Menu	Yes
Audio Microphone	Yes
Voltage & Current	12 VDC; 160mA
Dimensions (mm)	130mm (D) x 58mm (L)
Other Features	Digital WDR, BLC, 2D Noise Reduction

E-362

Color 650TVL Mini Dome Camera with 3.6mm Lens

Day/Night Board Lens

MODEL	E-362
Sensor	1/3" Sony Ex-View CCD & Effio-E Chipset
Resolution	650TVL (Day), 700TVL (Night)
S/N Ratio	Greater than 52dB
Min Illumination	0.1 Lux (Color), 0.01 Lux (B/W)
Video Output	1Vp~p 75 ohm
Lens	3.6mm Board Lens
AGC	Auto or Manual
2D Digital Noise Reduction	Yes
Other Features	Digital WDR, 2D Noise Reduction, Privacy Mask, Adj White Balance
OSD Menu	Yes
Dimensions	130 x 80.5mm
Weight	420g
Weatherproof	N/A
Power	12VDC @ 100mA

E-ULTRA-3200B

Ultra-Wide Dynamic Pixim-Based VF Dome Cameras

Day/Night Vari-Focal WDR IR COMPATIBLE

MODEL	E-ULTRA-3200B
Sensor	1/3" Pixim SeaWolf CMOS Sensor
Progressive Scan	Yes
Resolution	690TVL
Dynamic Range	120dB, 101dB Typical
S/N Ratio	>50dB
Lens	3.3 ~ 12 mm Vari-focal Auto Iris lens
Min. Illumin.	1 Lux (F1.2, DSS off)
Day/Night Switching	Mechanical IR-Cut Filter
Video Output	PAL or NTSC (user programmable)
OSD Display Menu	Yes (user programmable)
Voltage	12 VDC (200mA)
Operating Temp	-10° to +50°C
Weight	400 g
Adjustment	3-Axis
Weatherproof	N/A
Dimensions (mm)	180 (dia) x 81 (H)

E-906C

Color 650TVL Dome Camera with Var-Focal Lens

Day/Night Vari-Focal

MODEL	E-906C
Sensor	1/3" Sony Ex-View CCD & Effio-E Chipset
Resolution	650TVL (Day), 700TVL (Night)
S/N Ratio	Greater than 52dB
Min Illumination	0.1 Lux (Color), 0.01 Lux (B/W)
Video Output	1Vp~p 75 ohm
Lens	3.3 ~ 12 mm Vari-focal Auto Iris lens
AGC	Auto or Manual
2D Digital Noise Reduction	Yes
Other Features	Digital WDR, 2D Noise Reduction, Privacy Mask, Adj White Balance
OSD Menu	Yes
Dimensions	130 x 80.5mm
Weight	400 g
Weatherproof	N/A
Power	12VDC @ 80mA

E-140EF

Vandal Resistant Vari-Focal D/N Infra-Red Dome Camera

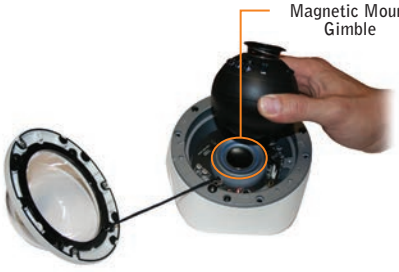
8m IR RANGE

Vandal Resistant Day/Night Vari-Focal

The E-140EF is a dome camera suitable for 24 hour operation, indoors or outdoors. It is constructed of die-cast aluminium with a shatter-proof polycarbonate dome. It is ideally suited for areas where the camera is exposed to tampering or abuse. This includes low hanging ceilings, eye-level wall mounting for entrances, search cubicles, sorting glove boxes and more.

FEATURES

- **IP66 Vandal Resistant Dome Enclosure**
- **Mechanical Day/Night Switching**
- **3.3~12mm Auto Iris Vari-Focal Lens**
- **Integrated 21 LED IR Illumination**
- **3-Axis Tool-Free Adjustment**
- **Recess or Surface Mountable**



MODEL	E-140EF
Sensor	1/3" Sony Ex-View CCD & Effio-E Chipset
Lens	3.3~12 mm vari-focal DC Auto Iris (F1.6~360)
Resolution	650TVL (Day), 700TVL (Night)
Auto White Balance	Automatic (2100~9100K)
S/N Ratio	>50dB (AGC off)
Infra-Red LEDs	10 (850nm 8 Metres, 40°)
Day/Night Filter	Mechanical
Day/Switch Over	5 lux
Voltage & Current	12 VDC; 190 mA (No-IR) 400 (IR-on)
Weatherproof Rating	IP66
Operating Temp	-10 to 50°C
Weight	2Kg
Dimensiona (mm)	150 (Diam) x 116 (L)

E-ULTRA-3200VD

Ultra-Wide Dynamic Pixim-Based Vandal Dome Cameras

Day/Night Vari-Focal WDR IR COMPATIBLE

MODEL	E-ULTRA-3200VD
Sensor	1/3" Pixim SeaWolf CMOS Sensor
Progressive Scan	Yes
Resolution	690TVL
Dynamic Range	120dB, 101dB Typical
S/N Ratio	>50dB
Lens	3.3 ~ 12 mm Vari-focal Auto Iris lens
Min. Illumin.	1 Lux (F1.2, DSS off)
Day/Night Switching	Mechanical IR-Cut Filter
Video Output	PAL or NTSC (user programmable)
OSD Display Menu	Yes (user programmable)
Voltage	12 VDC (200mA)
Operating Temp	-10° to +50°C
Weight	950 g
Adjustment	3-Axis
Weatherproof	IP66
Dimensions (mm)	180 (dia) x 81 (H)

E-300EF-IR

Vandal Resistant Micro D/N Infra-Red Dome Camera

Vandal Resistant | Day/Night | 3m IR RANGE

MODEL	E-300EF-IR
Sensor	1/3" Sony Ex-View CCD & Effio-E Chipset
Lens	3.7 mm fixed pinhole lens
Resolution	650TVL (Day), 700TVL (Night)
Auto White Balance	Automatic (1800~10500°K)
S/N Ratio	>52dB (AGC off)
Infra-Red LEDs	(850nm 3~5 Metre Range)
Day/Night Filter	Digital Fixed
Day/Switch Over	5 lux
Voltage & Current	12 VDC; 100 mA (No-IR) 170 mA (IR-on)
Weatherproof Rating	IP66
Adjustment	3-Axis
Operating Temp	-10 to 50°C
Weight	150g
Dimensiona (mm)	50 (Diam) x 44 (H)

E-VEHICLE-CAM6

Vehicle Camera For Side, Rear or Front View

Colour | Board Lens | 1.5m IR RANGE

MODEL	E-VEHICLE-CAM6
Sensor	1/4" CCD
Resolution	350TVL
S/N Ratio	Greater than 48dB (AGC off)
Min. Illumin.	0.1 lux (0 lux with IR)
Lens	1.58mm Wide Angle Lens (F2.0)
Lens Angle	98 deg
Suitable Mounting	For Rear, Front & Side
Day/ Night	Activated by Light Senspr
Video Output	1Vp~p 75 ohm
Power	12VDC at 160mA (IR on)
Operating Temp.	-10 to +60°C
Dimensions	49 x 33 x 43mm (W x H x L)
Weatherproof Rating	IP67

E-VEHICLE-CAM5

Rugged Vehicle Camera with Infra-Red Illumination

Day/Night | Board Lens | 3m IR RANGE

MODEL	E-VEHICLE-CAM5
Sensor	1/3" CCD
Resolution	520TVL (Day) 560TVL (Night)
S/N Ratio	Greater than 50dB (AGC off)
Min. Illumin.	0.1 lux (0 lux with IR)
Lens	2.9mm Wide Angle Lens (F2.0)
Lens Angle	79 deg
Suitable Mounting	For Front & Rear
Day/ Night	Yes (Selective IR filter)
Video Output	1Vp~p 75 ohm
Power	12VDC at 80mA (IR off) 190mA (IR on)
Operating Temp.	-20 to +50°C
Dimensions	60 x 70.3 x 90mm (W x V x L)
Weight	800g
Weatherproof Rating	IP67

E-3070WL

IP68 Color Underwater Camera with White LEDs

Day/Night | Board Lens

* Includes 30 metres of waterproof cable

MODEL	E-3070WL
Lens	4.3 mm (F2.0) Board
Sensor	1/3" Sony SuperHAD CCD
Viewing Angle	58°
S/N Ratio	50 dB (AGC off)
Resolution	580 TVL
Min. Illumin.	0.1 lux (F2.0), 0 Lux (LEDs on)
LED Illumination	7 x White LEDs (On/Off Selectable)
OSD Menu	Yes, Selectable via IR Remote
White Balance	Various Selectable
BLC	Various Selectable
Video Output	1V p-p 75 Ohm
Waterproof Rating	IP68
Underwater Depth	20Mtrs Max
Operating Temp.	-10° C ~ +50°C
Voltage & Current	12 VDC; 160 mA
Dimensions (mm)	70 (L) x 30 (Diam.)

E-38HQ-S

Day/Night Wide Dynamic Bullet Camera with 3.5~16mm Vari-Focal lens

Day/Night | Vari-Focal | WDR

MODEL	E-38HQ-S
Sensor	1/3" Sony SuperHAD II CCD
Lens	3.5~16mm Vari-Focal AI Lens
Shutter Speed	1/50'000~1/100'000/sec
Resolution	600TVL (Day) 650TVL (Night)
OSD Menu	Yes
Min Illumination	0.1 lux (Slow Shutter Off)
WDR Function	Yes
Slow Shutter	Slow Shutter: Yes
S/N ratio	52dB (AGC off)
2D/3D DNR	Yes
Voltage & Current	12VDC; 120 mA
Surge Protection	Yes
Operating Temp	-10 to 50°C
Weatherproof Rating	IP67
Dimensions (mm)	30 (Diam.) x 106 (L)

E-22CHQX-B36

Day / Night Pinhole Bullet Camera

IR COMPATIBLE

Day/Night | Board Lens

MODEL	E-22CHQX-B36
Lens	3.6 mm (F2.0) Board Lens
Sensor	1/3" Sony Ex-View CCD & Effio-E Chipset
Lens Angle: 67°	67°
Resolution	650 TVL (Day) 700TVL (Night)
Min Illumination	0.1 lux (F2.0)
Day/Night Switch Over At	2 Lux
IR Sensitivity	850 ~ 880 nm
S/N ratio	52 dB (AGC off)
Voltage & Current	12VDC; 100 mA
Operating Temp	-10 to 50°C
Weatherproof Rating	IP67
Weight	200 g
Dimensions (mm)	21 (Diam) x 75 (L)

E-536E / E-628 / E-628H

Infra-Red Day/Night Waterproof Cameras

Day/Night Vari-Focal Board Lens

Model	E-536E	E-628	E-628H
Image Sensor & Chipset	1/3" Sony SuperHAD II	1/3" Sony Ex-View CCD & Effio-E Chipset	1/3" Sony Ex-View CCD & Effio-E Chipset
Resolution	590TVL (Day), 640TVL (Night)	650TVL (Day), 700TVL (Night)	650TVL (Day), 700TVL (Night)
IR Switch Over	Fixed Digital IR Day/Night Filter	Mechanical IR Day/Night Cut-Filter	Mechanical IR Day/Night Cut-Filter
IR Illumination	7.5Mtr Range (850nM IR LEDs)	15Mtr Range (850nM IR LEDs)	25Mtr Range (850nM IR LEDs)
Lens	3.6mm Fixed Board Lens	2.8~12mm Vari-Focal DC Auto Iris Lens	2.8~12mm Vari-Focal DC Auto Iris Lens
OSD Menu	No	Yes	Yes
Power	12VDC	12VDC/24VAC	12VDC/24VAC
Power Consumption	60mA@12VDC (IR off), 230mA (IR on)	120mA@12VDC (IR off), 340mA (IR on)	120mA@12VDC (IR off), 370mA (IR on)
Other Functions	Digital WDR, 2DNR, Auto White Balance	Adj White Balance, Privacy, BLC, ATW, 2DNR	Adj White Balance, Privacy, BLC, ATW, 2DNR
Weatherproof Rating	IP67	IP66	IP66
Weight	490g	860g	1.2Kg
Dimensions (mm)	70 (W) x 93 (H) x 215 (D)	87.7 (W) x 96 (H) x 278 (L)	101 (W) x 108.7 (H) x 338 (L)

E-650

Infra-Red Day/Night Long Range VF Camera

Day/Night Vari-Focal 35m IR RANGE

MODEL	E-650
Image Sensor & Chipset	1/3" Sony Ex-View CCD & Effio-E Chipset
Resolution	650TVL (Day), 700TVL (Night)
IR Switch Over	Mechanical IR Day/Night Cut-Filter
IR Illumination	35Mtr Range (850nM IR LEDs)
Lens	5~50mm Vari-Focal DC Auto Iris Lens
OSD Menu	Yes
Power	12VDC/24VAC
Power Consumption	120mA@12VDC (IR off), 370mA (IR on)
Other Functions	Adj White Balance, Privacy, BLC, ATW, 2D NR
Weatherproof Rating	IP66
Weight	1.2Kg
Dimensions (mm)	101 (W) x 108.7 (H) x 338 (L)

E-ULTRA-649

Infra-Red Day/Night WDR Weatherproof VF Camera

Day/Night Vari-Focal WDR 12m IR RANGE

MODEL	E-ULTRA-649
Sensor	1/3" PIXIM SeaWolf CMOS Sensor
Scanning Type	Progressive Scan 50fps
Resolution	690TVL
IR Switch Over	Mechanical IR Cut-Filter
S/N Ratio	50 dB (AGC off)
Wide Dynamic Range	120dB, 101dB Typical
Min. Illumination	1 Lux (F1.2, DSS off), 0 Lux (IR on)
IR Illumination	12Mtr Range, 850nM LEDs
Lens	2.8~12mm Vari-Focal
White Balance	2000° K~11000° K
Video Output	1V p-p 75 Ohm
Power	24VAC (150mA IR off/250mA IR on)
Weatherproof Rating	IP67
Operating Temp.	-10° C ~ +50°C
Dimensions	80 (W) x 148 (H) x 206
Mounting Bracket	3-Axis Wall Mount Bracket w/ hidden cable Channel

E-700LPR-16

Numberplate Camera For Reflective Plates

B/W 5~10m IR RANGE

MODEL	E-700LPR-16
Image Sensor	1/3" Ex-View B/W CCD
Horiz Resolution	600TVL
S/N Ratio	50dB
Lens	16mm Fixed Lens
Minimum Illumination	0 lux (with IR)
IR Illuminator	22 x 850nm LEDs
IR Range	5~10 Metres
Video Output	1Vp~p 75 ohm (BNC)
Maximum Vehicle Speed	50Km/Hour
Power	24VDC/24VAC
Power Consumption	Max 380mA
Operating Temp	-10 ~50°C
Weatherproof Rating	IP67
Construction	Die Cast Aluminium
Dimensions (WxHxL)	97 x 92 x 304mm

E-AP836
Day/Night WDR Motorised Zoom Camera

Day/Night | 36X Zoom | WDR

MODEL	E-AP836
Sensor	1/4" Sony Super HAD & Effio Chipset
Resolution	650TVL (Color), 750TVL (B/W)
IR Switch Over	Mechanical IR Cut-Filter
S/N Ratio	50 dB (AGC off)
Wide Dynamic Range	Yes, via Double Shutter Exposure
Min. Illumination	0.5 Lux (Color), 0.2 Lux (B/W)
Lens	36x Optical Zoom (3.4~122.4)mm
Aperature	F1.6~F4.5
Focus	Auto, Zoom Trigger or Manual
White Balance	Auto, Indoor, Outdoor, Manual
Other Functions	2D/3D Noise, Privacy, Motion Detect
Video Output	1V p-p 75 Ohm
Control Via	Wired Remote, Buttons or RS485
RS485 Protocol	Pelco-D/P & VISCA
Power	12VDC @ 400mA
Operating Temp.	-10° C ~ +50°C
Dimensions	64 (W) x 68 (H) x 119
Weight	230g

E-SSC-G113
Sony CS Mount Day/Night Camera

SONY

Day/Night | CS Lens

* Lens Not Included

MODEL	E-SSC-G113
Sensor	1/3" Ex-View II CCD
Lens Mount	C/CS Mount
Auto Iris	DC Drive Lenses
Resolution	650TVL (Horiz)
S/N Ratio	Greater than 55dB
Min. Illumination (Color)	0.15 Lux (F1.2, 50IRE)
Min. Illumination (B/W)	0.1 Lux (F1.2, 50IRE)
Day/Night Switching	Electronic - Fixed Filter
AGC	Auto or On/Off
BLC	Yes, iBLC
Video Output	1V p~p 75ohm
Operating Temp	-10 to +50°C
Power	12VDC or 24VAC
Power Comsumption	1.4W
Dimensions	118 x 63 x 57mm

E-SSC-FB561
Sony 700TVL Wide Dynamic CS Mount Day/Night Camera

SONY

Day/Night | CS Lens | WDR | IR COMPATIBLE

* Lens Not Included

MODEL	E-SSC-FB561
Sensor	1/3" SuperHAD II CCD
Lens Mount	C/CS Mount
Auto Iris	DC or Video Drive Lenses
Resolution	700TVL (Horiz)
S/N Ratio	Greater than 50dB
Min. Illumination (Color)	0.08 Lux (AGC on, Turbo on)
Min. Illumination (B/W)	0.01 Lux (AGC on, Turbo on)
Day/Night Switching	Mechanical IR-Cut Filter
AGC	On/Off/Normal/Turbo/Manual
Dynamic Range	75dB
Video Output	1V p~p 75ohm
Operating Temp	-10 to +50°C
Power	12VDC or 24VAC
Power Comsumption	2.8W
Dimensions	63 x 57 x 88mm

E-ULTRA-4000F
Ultra Wide Dynamic CS Mount Camera

Day/Night | CS Lens | WDR | IR COMPATIBLE

*Lens NOT Included

APPLICATIONS

- Surveillance of bright background entrances
- Surveillance of vehicle entrances & driveways
- Furnace or flame monitoring
- Retail spaces with different light sources

MODEL	E-ULTRA-4000F
Sensor	1/3" PIXIM SeaWolf CMOS Sensor
Scanning Type	Progressive Scan 50fps
Resolution	690TVL
Min. Illumin.	1 Lux (F1.2, DSS off)
IR Filter	Mechanical IR-Cut Filter
S/N Ratio	50 dB (AGC off)
Wide Dynamic Range	120dB, 101dB Typical
Auto Iris	Video or DC Iris
Video Output	Composite Video 1 Vp-p 75 Ohm (NTSC/PAL switchable)
White Balance	2000° K~11000° K
Operating Temp.	-10 to +50°C
Power	12 VDC (200mA)
Dimensions (mm)	62 (W) x 58 (H) x 140 (L)

INTRODUCTION

Our E-ULTRA CS Mount camera has got even better with the latest SeaWolf Pixim Sensor with 690TVL resolution. The Pixim Digital Pixel Imaging System provides unsurpaced performance in lighting conditions where many normal cameras fail.

INDIVIDUAL PIXEL SAMPLING

With normal CCD cameras, pixels are sampled simultaneously. The net results being certain parts of the image are too bright, flared-out or are too dark.

With the technology used in this camera, each pixel is sampled individually. An A/D converter is incorporated within each pixel. The A/D converter translates the light signal into a digital image at the immediate point of capture. In other words, each pixel is in reality an individual camera. Good quality images are thus provided in situations of great contrasts in light, i.e. bright and dark light in one picture.

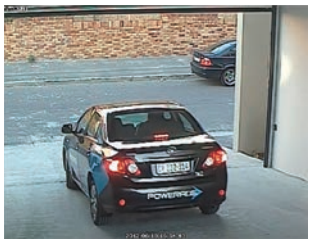
IDEAL FOR HARSH BACKLIGHT

Typical applications for the E-ULTRA-4000F include covering entry points/ exits leading to direct sunlight and any situation where bright or dark light is affecting your camera's image. In a doorway situation when a normal camera is used, the background of the image (i.e. the outside) is bright and the person walking through the door is very dark.

It is also useful in situations where bright light is reflecting off objects causing blooming of the image. The exposure mode can be set as automatic or configured to a custom setting to suit the exact environment.

Bright Background (Contrast in Light)

Camera can still capture the foreground.



CS MOUNT LENSES

Aspherical CS Mount Vari-Focal Lenses

Vari-Focal

MODEL	E-13VF288	E-M13VF1550	E-M13VF550	E-12VF880-3MP	E-13VF1550-3MP
Format	1/3" CS Mount	1/3" CS Mount	1/3" CS Mount	1/2" CS Mount	1/3" CS Mount
Focal Length	2.8 ~ 8mm	15 ~ 50mm	5 ~ 50mm	8 ~ 80mm	15 ~ 50mm
Megapixel	Yes (3MP)	Yes (3MP)	Yes (1.3MP)	Yes (3MP)	Yes (3MP)
Auto Iris	Yes	Yes	Yes	Yes	Yes
Day/Night IR Correcting	-	-	Yes	-	-
Iris Range	F1.2 ~ T360	F1.5 ~ T360	F1.6 ~ T360	F1.4 ~ T360	F1.5 ~ T360
Video/DC Iris	DC	DC	DC	DC	DC
Aspherical	Yes	Yes	Yes	Yes	Yes
Angle of View (Wide)	100°	18.08°	51.17°	44.21°	19.46°
(Tele)	35.03°	5.35°	5.30°	4.38°	6.04°
Neutral Density Filter:	Yes (Integrated)	Yes (Integrated)	Yes (Integrated)	Yes (Integrated)	Yes (Integrated)
Dimensions (mm)	40.8(Diam) x 52(L)	37.5(Diam) x 58.5(L)	40.5(Diam) x 58.5(L)	54(Diam)x85.2(L)	37.5(Diam) x 58.5(L)

BOARD LENSES

Fixed Focal Length Board Lenses - for cameras with Board Mount Lens fittings (not suitable for cameras with Pinhole Lenses)

Board Lens

E-B178 E-B2162 E-B2525 E-B3020 E-B4318

E-B6022 E-B8020 E-B1220 E-B1620 E-B250

E-253CH-B36 with E-B250 Lens

MODEL	E-B178	E-B2162	E-B2525	E-B3020	E-B4318	E-B6022	E-B8020	E-B1220	E-B1620	E-B250
Focal Length	1.78 mm	2.1 mm	2.45 mm	2.97 mm	4.3 mm	6 mm	8 mm	12 mm	16mm	25mm
Aperture	F3	F2.0	F2.5	F2.0	F1.8	F2.2	F2.0	F2.0	F2.0	F2.5
1/3" Viewing Angle (H)	108°	98°	87°	77°	58°	43°	33°	22°	17°	11°
1/4" Viewing Angle (H)	90°	80°	70°	61°	45°	33°	25°	17°	13°	8°
Dimensions (mm)	31 x 24.3	17 x 18.5	17 x 9	14 x 15	14 X 16.3	14 x 16	14 x 14	14 x 14	14 x 15.5	25 x 23.5

E-GEKO

Infra-Red & White LED Illuminators

E-IRH Infra-Red Illuminator | E-IRH White LED Illuminator | E-IRH White LED Illuminator | E-IRN Infra-Red LED Illuminator

E-H0V Housing with E-IRH Geko Infra-Red Illuminator

FEATURES

- 850nM/940nM Infra-Red or White LED
- Hi-End SMD LED Illuminators
- Various Beam Angle Models Avaialble
- Powder-Coated Aluminium Enclosure
- Adjustable Day/Night Photo-Cell
- Input Trigger For Activation
- 12~24VDC or 24VAC Operation

MODEL	E-IRN30BWAS00	E-IRN60BWAS00	E-IRH60HWA	E-IRH60H9A
White LED Max Distance	120Mtrs	90Mtrs	60Mtrs	40Mtrs
IR Angle	30°	60°	30°	60°

MODEL	E-IRH60I8A	E-IRH60H9A	E-IRH30L8A	E-IRH30H9A	E-IRN60B8AS00	E-IRH10H9A	E-IRN30B8AS00	E-IRH10H8A
IR Max Distance	40Mtrs	40Mtrs	60Mtrs	60Mtrs	80Mtrs	100Mtrs	130Mtrs	140Mtrs
IR Angle	60°	60°	30°	30°	60°	10°	30°	10°
Wavelength	850nM	940nM	850nM	940nM	850nM	940nM	850nM	850nM

E-PUNTO
Plastic Polymer Side Opening Camera Housing

MODEL	E-PUNTO
Construction	Technopolymer
Cable Interface	2 x M16 Cable Glands
Colour	RAL9002
Screws	Stainless Steel
Weatherproof Rating	IP66
Heater	Integrated 24VAC
Internal Dimensions	250 x 70 x 70mm (L x H x W) mm

E-H0V32K2
IP66 Side Opening High Quality Outdoor Aluminium Housing - with Heater

FEATURES	
Weatherproof Rating	IP66 (E-WBJ) IP54 (E-WB0V)
Sunshield Material	Epoxy-Polyester
Body Material	Die-Cast Aluminium
Colour	RAL9002
Heater	Integrated 12 VDC/24 VAC (20 W)
Wiper (E-H032K2A100)	Optional (24 VAC, 7 W)
Operating Temp	-10 to 50 ° C
Weight	2.1 Kg
Internal Dimensions (mm)	100 (W) x 70 (H)
External Dimensions (mm)	176 (W) x 160 (H) x 514 (L)

E-H0V-32K2A716
Housing with PoE+ Intelligent Management Module

FEATURES

- **IPM (Intelligent Power Management)**
- **Compatible with IEEE 802.3at/PoE Plus**
- **Requires Hi-PoE Class 4 (25W)**
- **Side Opening**
- **Special Quick Release RJ45 Gland**
- **Fan with Double Air Filter**
- **IP66/IP67 Weatherproof**
- **-10 to +60° Operation**

INTRO
Our **E-H0V-IPM** is a special housing featuring a power management module which allows various components associated with the housing to be powered via a single POE+ cable.

This includes the heater, demister, fan, the illuminator and the camera itself. The module automatically detects all the options and then autonomously balances the power to ensure suitable distribution to the various components.

E-WB0V
Wall Mount Bracket - Internal Cable

E-WBJ
Wall Mount Bracket

E-WSFPA
Pole Mount Adaptor for Wall Mount Brackets

E-WBM4
Ceiling Mount Bracket

E-WBCV SERIES
High quality Ceiling & Wall Mount Camera Brackets

E-WBCV14A

E-WBCV19A

E-AVTPSC
Ceiling Mount Vandal Resistant Camera Enclosure

MODEL	E-AVTPSC
3mm Sheet Steel Construction with epoxy powder coat IP66	
Vandal resistant polycarbonate glass	
Special Key Lock	
External Dimensions (mm)	178 (H) x 386 (L) x 155 (W)

E-MAX-MPX-36X

Stainless Steel Exd Atex Certified PTZ Camera with 36x Zoom

316 Stainless steel · Ex · Day/Night · Thermal · 36X Zoom

The E-MAX-MPX is a stainless steel, Exd PTZ camera. Featuring an integrated telemetry receiver, Day/Night camera and pan/tilt motor the unit is available in other versions. These include models with IR illuminator and thermal imaging camera modules.

MODEL	E-MAX-MPX-36X
Sensor	1/4" Sony ExView CCD
S/N Ratio	50dB
Resolution	530TVL
Optical Zoom	36x
Lens Focal Length	3.4~122mm
Angle of View	57.7deg (W) x 1.7deg (T)
Video Output	1Vp~p Composite Video
Serial Data Control	RS422 or RS485
Control Protocol	Pelco-D, Factory or American Dynamics
Pan Range & Speed	+90°, 0.1°/sec~100deg/sec
Tilt Range & Speed	+90°, 0.1°.sec~30deg/sec
Preset Accuracy	0.2°/sec
Presets	90
Alarm I/O	5 Alarm Inputs, 2 x Relay Outputs
Construction	316 Stainless Steel
Weatherproofing	IP 66
Operating Temperature	-40°C to +60°C
Voltage	230VAC - 100W max (120VAC & 24VAC models also available)
Certification	Ex d IIC T6 Gb, Ex t IIIC IP66 T85°C Db

E-MAX-MPX-36X with Infra-Red Illuminator

E-MAX-MPX-36X with Thermal Imaging Camera

FEATURES

- 316 Stainless Steel Construction
- 36x Day/Night Zoom Module
- High Speed Pan/Tilt
- RS485 Interface
- IP66 Weatherproof
- 230VAC Operation
- Integrated Wiper
- Optional IR Illuminator
- Optional Thermal Imaging Camera

E-NTC-Series

Stainless Steel Thermal Imaging Cameras For Harsh Environments

316 Stainless steel · Thermal

The E-NTC series are a range of thermal imaging cameras for demanding surveillance applications. These include marine, coastal and industrial applications with corrosive environments. The camera is able to provide clear vision in both day and night, as well as in total darkness, fog, rain and other environmental pollutants. It herefore makes the camera ideal for perimeter coastal surveillance and detection of vehicles, boats and people in areas which are unlit at night.

SENSOR

Utilsing a Flir, uncooled Vanadium Oxide (VOx) Microbolometer sensor, the E-NTSC-Series cameras have a spectral band of 7.5-13.5µm and a high Sensitivity of (50mK at f/1.0). This guarantees excellent thermal IR vision.

CONSTRUCTION

The E-NTC series has a housing constructed of electro-polished 316 stainless steel and is manufactured using the highest standards according to international specifications. Suitable for a 7.5~13.5µm spectral range, the housing has a 2mm thick germanium glass. It is coated both with a hard-carbon coating to prevent scratches and an anti-reflective coating.

FEATURES

- Flir Uncoooled VOx microbolometer IR Sensor
- 320 x 256 & 640 x 512 Resolution Models
- 8.3Hz Frame Rate
- 9, 13, 19, 35, 50 & 60mm Lens Models Avail
- 50mK Thermal Sensitivity
- PAL Video Output
- 316 Stainless Steel Enclosure
- Configuration via OSD Menu
- Optional Mounting Brackets

Optional Pan / Tilt

Optional Wall Mount Bracket

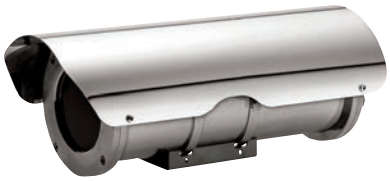
Optional Pole Mount Adaptor Bracket

[640 x 512 with 9mm lens]

[640 x 512 with 19mm lens]

[640 x 512 with 35mm lens]

E-NXM2K
316 Stainless Steel Camera Housing

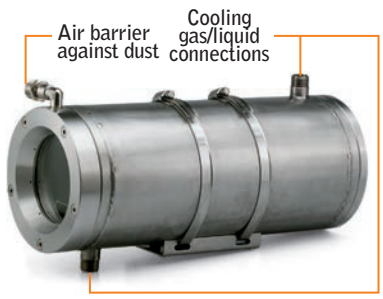


E-NXWB1
Wall mount swivel bracket

E-NXWB1
Accessories

MODEL	E-NXM2K
Construction	316 Electro-Polished Stainless Steel
Weatherproof Rating	IP67 (6= Dust Tight, 7 = Protected against the effects of immersion)
Cable Glands	2 x PG 13.5 cable glands
Internal Dimensions (mm)	88 (W) x 86 (H) x 334 (L)
External Dimensions (mm)	182 (W) x 164 (H) x 450 (L)
Heater	12VDC/24VAC 20W
Sunshield	Yes

E-NXW
Stainless Steel Liquid / Air-Cooled Housing



FEATURES	
Body Cooling	Liquid or Air
Front Barrier Cooling	Air
Weatherproof Rating	IP67
External Temperatures (max)	260° C (with IR Glass) 260° C (Tempered Glass) 400° C (Vicor Glass)
External Connections	Dual 1/2" gas cable glands
Gasket	O-ring
Wall Thickness	12mm thick flanges
Material	AISI 304 Stainless Steel
Internal Dimensions with PSU (mm)	78 (W) x 78 (H) x 280 (L)
External Dimensions (mm)	154 (W) x 164 (H) x 375 (L)

E-EXHC000/D001
IP66 Exd CCTV Camera Housings

E-EXHC000 - Housing with E-EXWBJ Bracket

(Optional model E-EXHD001)
with glass protection device

MODEL	E-EXHC000
Weatherproof Rating	IP66
Approved Standards	IECEx Ex d ITC T6 Ex tD A21 IP66 T85C
Approved Standards	ATEX II 2GD Ex d IIC T6 tD A21 IP66 T85C Certification
Construction	Anti-Corodol Aluminium Alloy
Colour	RAL7032
Cable Glands	2 x 3/4"
Integrated Heater	Yes
Internal Usable Area	100 (W) x 100 (H) x 280 (L) mm

E-SH1825-2810 / -550 / -4F
Stainless Steel Day/ Night Pressurised Camera

IR COMPATIBLE

Day/Night Vari-Focal

Externally Adjustable Focus and Focal Length

Stainless Steel Mounting Bracket

Nitrogen Pressure Purge

Waterproof-Connectors

MODEL	E-SH1825-2810	E-SH1825-550	E-SH1825-4F
Lens	2.8~10mm Vari-Focal AI Lens	5~50mm Vari-Focal AI Lens	4mm Fixed Lens
Sensor	1/3" Sony ExView HAD II CCD	1/3" Sony ExView HAD II CCD	1/3" Sony ExView HAD II CCD
S/N Ratio	50 dB (AGC off)	50 dB (AGC off)	50 dB (AGC off)
Resolution	700 TVL	700 TVL	700 TVL
Min. Illumin.	0.1 lux (Color), 0.08 lux (B/W)	0.1 lux (Color), 0.08 lux (B/W)	0.1 lux (Color), 0.08 lux (B/W)
Day/ Night	IR Mechanical Cut Filter	IR Mechanical Cut Filter	IR Mechanical Cut Filter
Video Output	1V p-p 75 Ohm	1V p-p 75 Ohm	1V p-p 75 Ohm
Menu	On-Screen-Display Via Cable	On-Screen-Display Via Cable	On-Screen-Display Via Cable
Enclosure	316L Stainless Steel	316L Stainless Steel	316L Stainless Steel
Pressurisation	Nitrogen Pressurised	Nitrogen Pressurised	Nitrogen Pressurised
Waterproof Rating	IP68	IP68	IP68
Operating Temp.	-10° C ~ +50°C	-10° C ~ +50°C	-10° C ~ +50°C
Options	Side-By-Side IR Illuminator	Side-By-Side IR Illuminator	Side-By-Side IR Illuminator
Voltage & Current	12 VDC; 400 mA Maximum	12 VDC; 400 mA Maximum	12 VDC; 400 mA Maximum

E-EXPT
Exd Hazardous Area Pan/Tilt Unit with Housing

FEATURES

- **Exd / Atex Certified for Hazardous Environments**
- **Hidden Multi-Pole Cable Wiring**
- **Anticorodal Die-Cast Alloy Construction**
- **Stove-Enamelled Powder Coating**
- **IP66 Weatherproof**
- **Optional Germanium Window Model**

The E-EXPT is an Exd / Atex certified motorised Pan/Tilt unit with camera housing. Designed to operate in hazardous industrial environments, the E-EXPT has SABS certification and has been used extensively in the petro-chemical industry in South Africa. It is compatible with our E-DTRX324 PTZ driver which has a Peclo-D Interface. An optional germanium window model is suitable for fitting thermal imaging cameras.

E-CCM-SERIES

Covert PTZ Cylinder Camera with 10x / 36x Zoom

Day/Night 36X Zoom

E-CCM-10X

E-CCM-36X

MODEL:	E-CCM-10X	E-CCM-36X
Zoom	10x Optical, 12x Digital	36x Optical, 12x Digital
Resolution	470TVL	530TVL
Minimum Illumination	0.0004 Lux	0.1 Lux
Mechanical IR Cut-filter	Yes	Yes
Pan Range	360° Continous	360° Continous
Tilt Range	+20° & -40°	+20° & -40°
Control Interface	RS485 PelcoD	RS485 PelcoD
Color	Black	Black
Weatherproof Rating	IP67	IP67
Power	12VDC @ 200mA	12VDC @ 200mA
Dimensions	177mm (H) x 75mm (Diam)	227mm (H) x 90mm (Diam)
Operating Temperature	0 to 45° C	0 to 50° C

The E-CCM-10X and the E-CCM-36X are rugged pan/ tilt/ zoom (PTZ) cameras for covert applications. The E-CCM-10X features a day/ night 10x zoom camera with 470TVL and the E-CCM-36X features a day/ night 36x zoom camera with 530TVL. They are ideal for applications requiring compact PTZ cameras which can be used hidden in the roofs of vehicles or disguised in various hidden hides.

Both are constructed of a solid billet of aluminium and are IP67 weatherproof. These also feature a black 'crinkle' powder coat and anti-reflective camera lens window.

In terms of pan/tilt ability, the camera units have a continuous 360° pan rotation with a narrow tilt angle of 20° up and 40° down.These have been designed for applications requiring a compact pan/ tilt/ zoom operating off 12VDC.

For control of the cameras the E-CCM cameras have a PelcoD RS485 interface and support for standard PTZ control functions.

As an optional accessory, Eagle has designed a manual 'periscope-type' bracket for the E-CCM cameras. This allows for quick deployment in static vehicle surveillance applications. Please contact us for more detail.

Hidden Camera Deployment Examples

E-S2-SR

Long Range Handhel Thermal Binoculars

Thermal

On/Off Button

3.5" OLED Display

Focus Adjustment

Battery Compartment

MODEL	E-S2-SR
Sensor	Uncooled Microbolometer, Amorphous Silicon
Spectral Response	7.5~14 Microns
Thermal Stabilisation	-40 to 80degC
Resolution	160 x 120
Lens	16mm Germanium
Lens Field of View	11° (51° Wide Angle Model Also Available - E-S2-P)
Focus	Manually Adjustable
Update Rate	25Hz
Direct temperature measurement	Yes with box Indicator
Scene Colourisation	Yes with user settable colour scheme
Display	3.5" OLED Display
Video Output	Yes
Battery level indicator	Yes
Battery Li-ion Polymer	3.7V 1850mAH
Start-Up Time	10 Seconds
Weight	600g
Display Cover	Scratch Resistance Polycarbonate
Housing	Fire hardened housing for maximum high heat tolerance
Impact resistance	Capable of withstanding 2 metre drop
Weather resistance	IP67
Dimensions (mm)	147mm (L) x 120mm (W) x 90 (H)
Battery	Li-Ion Polymer 4800mAH with upto 2.5Hr Battery Life

FEATURES

- Medium to Long Range Imaging
- 1000Mtr Range (1Km)
- White Hot/Black Hot Toggle
- Video Output
- 600g Weight
- Battery Level Indicator
- Time/Date Overlay
- 4 Hour Swappable Rechargeable Battery
- Onboard Capture of Upto 1000 Images

E-PATROL-CCTV / E-PATROL-THERMAL

Day/Night Vehicle PTZ Cameras

Day/Night Thermal 36X Zoom

Dual Day/Night & Thermal PTZ Camera Platform

Day/Night PTZ Camera Platform

FEATURES

- **Day/Night 36x Sony Autofocus Zoom Module**
- **Flir Fixed Thermal Cam (Thermal Model)**
- **Full 360° Pan with Slip Rings**
- **Silent Motorised Operation**
- **0.007° Pan/Tilt Resolution**
- **Video Image Stabilisation**
- **Nitrogen Pressurised**
- **Time/Date Stamp**
- **5.6" TFT LCD Monitor with 3-Axis Joystick**
- **Optional IR illuminator**

The **E-PATROL-CCTV and E-PATROL-THERMAL** are ruggedised pan and tilt zoom camera systems for all-weather-use. They are ideal for police operations, mining area operations, industrial process control, covert surveillance or military use. Applications include mobile surveillance ontop of vehicles or fixed installation use on buildings or as part of an observation post.

The camera portion itself consists of a hi-speed 12VDC pan/tilt motorised platform with either a day/night zoom camera or a thermal imaging module with a seperate day/night zoom camera. Various versions of the thermal imaging module can be fitted depending on the application and range required. The motorised platform allows stealthy and silent operation and has an amazing 0.007° resolution.

For control, the system is provided with a rugged controller unit which has a 3-axis joystick and 5.6" TFT LCD Monitor. A single cable connection connects the camera and display/control unit ensuring easy installation.

MODEL	E-PATROL-CCTV	E-PATROL-THERMAL
Sensor	Sony CCD Camera	Sony CCD Camera
Zoom	36x Optical; 12x Digital	36x Optical; 12x Digital
Resolution	550 TVL (PAL)	550 TVL (PAL)
Light Sensitivity	3.0 lux (Colour); 0.02 lux (NIR filter mode)	3.0 lux (Colour); 0.02 lux (NIR filter mode)
Near-Infra-Red Filter	On/off switchable	On/off switchable
Thermal Camera Module	No	Yes, Various Models Available Including 320x240 or 640x480 with different range lenses (see table)
Pan/Tilt Angle	360° Continous Pan / 240° Tilt	360° Continous Pan / 240° Tilt
Pan/Tilt Speed	120° per sec Pan / 120° per sec Tilt	180° per sec Pan / 120° per sec Tilt
Operating Temp	-40° C ~ +70°C	-40° C ~ +70°C
Operating Vibration	3 grams 3 axis, 5 to 1000Hz	3 grams 3 axis, 5 to 1000Hz
Power	12 to 30 VDC (500mA, 2.0A Peak)	12 to 30 VDC (500mA, 2.0A Peak)
MTBF	2 years (300,000 movements)	2 years (300,000 movements)
Weight	4 kg	3.5 kg
Dimensions (mm)	180 (Diam.) x 213 (H)	231 (W) x 213 (H)

E-PATROL PTZ CAMERA - DAY/NIGHT & THERMAL CAMERA RANGE PERFORMANCE

Identify
Recognise
Detect
Not in Field of View

TARGET: MAN (1.8M X 0.5M)

Meters	50	100	200	300	400	500	600	700	800	900	1000	1500	2000	2500	3000	3500	4000
Day/Night 36x Zoom																	
Thermal 320x240 35mm																	
Thermal 320x240 50mm																	
Thermal 640x480 35mm																	
Thermal 640x480 50mm																	
Thermal 640x480 100mm																	
Thermal 640x480 150mm																	

E-ULISSE-COMPACT-36X-WIR

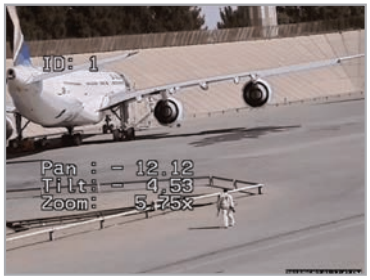
Mini Day/Night Rugged PTZ Camera

Day/Night | 36X Zoom

100m IR RANGE

50m IR RANGE

Wide Angle Image



Mid-Range Zoom

Image at 250mtrs from camera

DAY/NIGHT ZOOM CAMERA SPECIFICATIONS	
Type	Sony Day/Night 36x Zoom
CCD	530 TVL 1/4" Sony EXView HAD
Day Sensitivity	0.1 lux
Night Sensitivity	0.01 lux
Optical Zoom	36x, f = 3.4 (wide) to 122.4mm (tele)
Advanced Masking	24 x 3D Spherical Privacy Zones
Infra-Red Illumin.	850nm 100m Range. 850nm 50m Range also available.

MECHANICAL AND ELECTRICAL SPECIFICATIONS	
Construction	Aluminium and technopolymer
Coating	Epoxypolyester powder painting, RAL9002 colour
Horizontal Rotation	Continuous
Vertical Rotation	-90° to + 90° Total 180°
Variable pan speed	from 0.1° up to 200°/s
Variable tilt speed	from 0.1° up to 200°/s
Input voltage	24VAC 50Hz 220VAC model also available
Power consumption	4W (pan/tilt stopped, 60W movement, 125W with heater turned on 15W extra with Infra-Red Illumination switched on)
Functions	Autopan, Preset, Patrol, Tour (max 3), Autoflip
I/O alarm card (optional)	6 alarm inputs, 2 relay outputs
Operating temp.	-40°C to +60°C
Improved surge immunity	up to 2KV line to line, up to 4KV line to earth (Class 4)
Weatherproof Rating	IP66 (high pressure water jets from all directions dust proof)
Weight	12.5 Kg (excluding brackets and accessories)

* Optional ONVIF IP Model Available

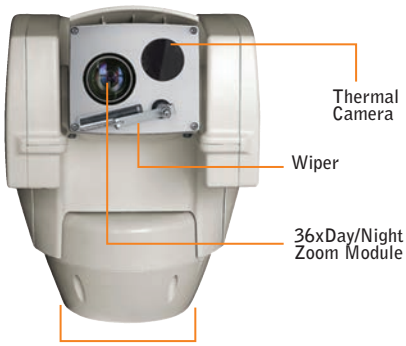
FEATURES

- 36x Sony Day/Night Auto Focus 530TVL Day/ Night Camera
- ABS Plastic & Aluminium Construction
- High Speed Pan/Tilt with Slip Ring
- Pelco-D, Macro or American Dynamics RS485 Communication Protocols
- 250° PTZ Presets
- 0.1° Accuracy when Calling Presets
- Video Masking for Privacy
- Infra-Red Illumination
- Wiper
- IP66 Weatherproof
- 24VAC Operation

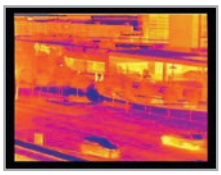
E-ULISSE-CT-W

Dual Thermal / Day Night PTZ Camera

Day/Night | 36X Zoom | Thermal



Colour (Night) Screenshot



Thermal Imaging Mode Screenshot

The E-ULISSE-CT-W offers an integrated solution for high security applications even in total darkness, fog, rain and heavy smoke for round-the-clock video surveillance in a wide range of high security environments such as a perimeter protection, airports, coastlines, prisons and ports.

The unit combines an advanced thermal imaging camera and a Day/Night 36X zoom module, factory-aligned and installed within the same enclosure. The two cameras deliver high quality images regardless of lighting conditions.

The E-ULISSE-CT-W features two independent video outputs and allows dual real-time vision for optimal monitoring of the area. The thermal camera is an Uncooled VOx and delivers 320x256 thermal images at 8.3fps or 25fps. It features 2x or 4x digital zoom.

The E-ULISSE-CT-W comes a with wiper that cleans both viewing windows.

THERMAL IMAGING SENSOR MODULE SPECIFICATIONS	
Type	Uncooled VOx microbolometer
Resolution	320x256
Digital Zoom	2x, 4x
Image Frequency	8Hz
Viewing Angle	Horiz: 13°, Vert: 10°
Human Detection	780m away
Vehicle Detection	2150m away
DAY/NIGHT ZOOM CAMERA SPECIFICATIONS	
Type	Sony Day/Night 36x Zoom
CCD	530TVL 1/4" Sony EXView HAD
Day Sensitivity	0.1 lux
Night Sensitivity	0.01 lux
Optical Zoom	36x, f=3.4 (wide) to 122.4mm (tele)
Advanced Masking	24 x 3D Spherical Privacy Zones
MECHANICAL AND ELECTRICAL SPECIFICATIONS	
Construction	Aluminium and Tecnopolymer
Coating	Epoxypolyester powder painting, RAL9002 colour
Thermal Window	Geramanium
Mechanical Control	Dynamic Positioning Control System
Backlash	Zero
Easy Installation	Self Centering Connector
Horizontal Rotation	Continuous
Vertical Rotation	-90° to +90°
Variable pan speed	from 0.1° up to 200°/s
Variable tilt speed	from 0.1 up to 200°/s
Input Voltage	24VAC 50Hz
Power Consumption	40W to 125W peak
Functions	Autopan, Preset, Patrol, Tour (max 3) Autoflip

* Optional ONVIF IP Version

FEATURES

- Day/Night camera
- 36x optical zoom capability for colour camera
- Integrated PTZ Driver
- Thermal sensor: uncooled VOx
- 35mm lens for thermal camera
- Dual independent video outputs
- Variable pan & tilt speed
- Continuous pan rotation
- Integrated wiper for both windows

E-SDI-37X-OUT

Day/Night Speed Dome Cameras - 37x

Day/Night 36X Zoom

E-SDI-37X-OUT
Speed Dome
With Wall Mount
Bracket

Pendant Bracket

Pole Mount Adaptor

Corner Mount Bracket

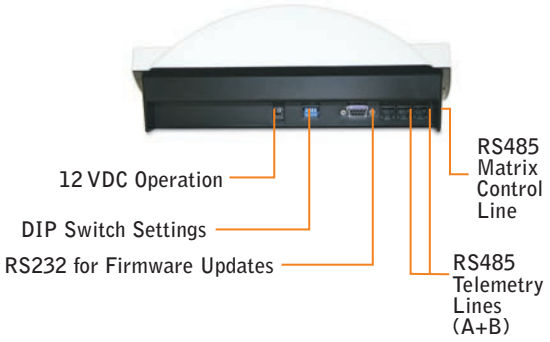
FEATURES

- Sony SuperHAD CCD Sensor
- 37x Optical Motorised Zoom
- Digital Wide Dynamic Range
- 2D/3D Digital Noise Reduction
- Digital Motion Detection with Alarm Output
- High Quality Die-cast Aluminium Construction
- Ultra Reliable Motorised Pan/Tilt Platform
- 256 programmable preset positions
- RS485 Pelco D/P Control Protocol
- 6-Alarm inputs and 1-Alarm output
- IP66 Weatherproof
- 24 VAC Operation

MODEL	E-SDI-37X-OUT
Camera Sensor	1/4" Sony SuperHAD CCD
ResolutioW	550TVL (Day) 680TVL (Night)
Lens	37x Optical (3.5~129.5mm)
Aperature	F1.6 (Wide) ~ F3.9 (Tele)
S/N Ratio	Greater than 50 dB (AGC off)
Focus	Auto or Manual
Iris	Auto or Manual
BLC	On/Off
Min. Illumination	0.7 Lux (Color) 0.06 Lux (B/W)
Day/Night Method	Mechanical IR-Cut Filter
Video Output	1V p~p 75 ohm
Pan/Tilt Speed (Manual)	0.15~120°/sec
Pan/Tilt Speed (Btw Presets)	1°/sec ~ 255°/sec
Pan/Tilt Speed (On Alarm)	360°/sec
Pan Angle	360°
Tilt Angle	180°
Communication Interface	RS485
Comms Protocols Supported	Pelco D/P
Privacy Masks	8
Presets	256
Alarm Inputs	3
Alarm Outputs	1
Operation	24 VAC (35W /w Heater)
Weight	4.5 Kg
Fan & Heater	Yes
Operating Temp	-40° C ~ +50° C
Weatherproof Rating	IP66
Dimensions (mm)	255 x 377 (diam x H)

E-DCJ

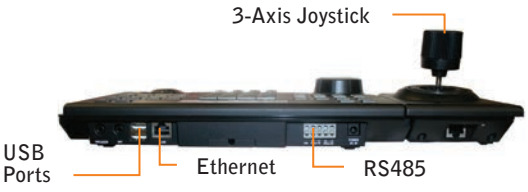
PTZ Speed Dome Camera Control Keyboard with 3-Axis Joystick



MODEL	E-DCJ
Joystick	3-Axis joystick (Pan/Tilt/Zoom)
Telemetry Lines	2x Independent RS485 comms lines (2 x RJ-11)
Telemetry Line Max Distance	1200 Metres
Matrix Line	1 x RS485 (RJ-11)
User Access	3 different password levels
Devices	Up to 999 PTZ drivers / Speed Domes
Supported PTZ Cameras	E-DTRX3, E-SDI SERIES, E-ULISSE Series
Keyboard Setup	Via 20x4 back-lit display
Power (PSU included)	12 VDC @ 1 A (2.1 mm DC socket)
Dimensions (mm)	298 x 107 x 210

E-DVR-NKB-1000

PTZ & DVR Keyboard Controller for E-DVR-1640SD/HD/ED/104



MODEL	E-DVR-NKB-1000
Network Interface	10/100Mbps Ethernet (RJ45)
RS485 DVR Control Interface	x1 (Screw Terminal)
RS485 PTZ Camera control Interface	x1 (Screw Terminal)
Audio Input	x1
Audio Output	x1 (Audio Amplifier Required)
USB Interface	x2 (For Remote DVR Mouse)
Compatible DVR	E-DVR-1640SD, E-DVR-1640HD + E-DVR-1640ED
Power	5VDC @ 3A
Dimensions	377 x 95 x 178mm
Weight	1.1Kg

Fibre Optic Video Transmitters

Our range of fibre optic video transmitters are designed to transmit composite video over multi-mode fibre. We have several models including one channel and two channel versions. We also have stand-alone & rack mount card versions. Upto four rack card units can be used with our 4-slot card cack, the E-RM-4S-1200.

MODEL:	FT-TX-1MM-SA	FT-TX-1MM-RM	FT-TX-2MM-SA	FT-TX-2MM-RM
Video Inputs:	One	One	Two	Two
Video Type:	1V p~p 75 ohm	1V p~p 75 ohm	1V p~p 75 ohm	1V p~p 75 ohm
Video Standard:	PAL or NTSC	PAL or NTSC	PAL or NTSC	PAL or NTSC
Fibre Wavelength:	850nm Multi Mode	850nm Multi Mode	850nm Multi Mode	850nm Multi Mode
Optical Connector:	ST	ST	ST	ST
No. of Fibres:	One	One	Two	Two
Max. Transmission:	2km	2km	2km	2km
Video Status:	Yellow LED	Yellow LED	Yellow LED	Yellow LED
Power Status:	Green LED	Green LED	Green LED	Green LED
Power Supply:	12VDC	Powered by Rack	12VDC	Powered by Rack
Power Consumption:	60mA	60mA	120mA	120mA
Dimensions:	53 x 90 x 50mm	(90 x 100 x 37)mm	90 x 110 x 50mm	(90 x 100 x 37)mm
Operating Temp:	(-55 to +85)°C	(-55 to +85)°C	(-55 to +85)°C	(-55 to +85)°C
Mounting:	Din-Rail	Rack Mount Card	Din-Rail	Rack Mount Card

Fibre Optic Video Receivers

Compatible with our range of fibre optic video transmitters, these receivers are also available in one and two channel versions and in stand-alone or rack cards. We also have stand-alone & rack mount card versions. Upto four rack card units can be used with our 4-slot card cack, the E-RM-4S-1200.

MODEL:	FT-RX-1MM-SA	FT-RX-1MM-RM	FT-RX-2MM-SA	FT-RX-2MM-RM
Video Outputs:	One	One	Two	Two
Video Type:	1V p~p 75 ohm	1V p~p 75 ohm	1V p~p 75 ohm	1V p~p 75 ohm
Video Standard:	PAL or NTSC	PAL or NTSC	PAL or NTSC	PAL or NTSC
Fibre Wavelength:	850nm Multi Mode	850nm Multi Mode	850nm Multi Mode	850nm Multi Mode
Optical Connector:	ST	ST	ST	ST
No. of Fibres:	One	One	Two	Two
Max. Receiving Distance:	2Km	2Km	2Km	2Km
Video Status:	Yellow LED	Yellow LED	Yellow LED	Yellow LED
Power Status:	Green LED	Green LED	Green LED	Green LED
Power Supply:	12VDC	Powered by Rack	12VDC	Powered by Rack
Power Consumption:	70mA	70mA	80mA	80mA
Dimensions:	(90 x 110 x 50)mm	(90 x 100 x 37)mm	(90 x 110 x 50)mm	(90 x 100 x 37)mm
Operating Temp:	(0 to +70)°C	(0 to +70)°C	(0 to +70)°C	(0 to +70)°C
Mounting:	Din-Rail	Rack Mount Card	Din-Rail	Rack Mount Card

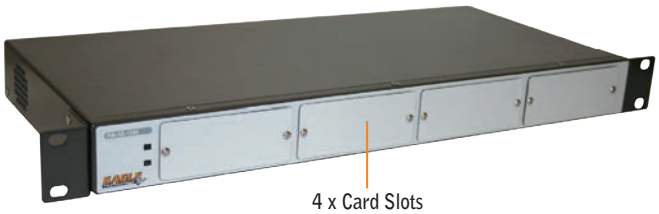
FIBRE OPTIC PTZ

Our range of PTZ fibre optic transmitter/receiver products have been designed for the transmission of one channel of video from the camera to the control room and one channel of RS485 serial data from the control room to the camera. Options are available for stand-alone or rack card solutions.

MODEL:	FT-RX-PTZ-SA	FT-RX-PTZ-RM	FT-TX-PTZ-SA	FT-TX-PTZ-RM
Video Input:	One	One	-	-
Video Output:	-	-	One	One
Video Type:	1V p~p 75 ohm	1V p~p 75 ohm	1V p~p 75 ohm	1V p~p 75 ohm
Video Standard:	PAL or NTSC	PAL or NTSC	PAL or NTSC	PAL or NTSC
Serial Data:	2-Wire RS485 Output	2-Wire RS485 Output	2-Wire RS485 Input	2-Wire RS485 Input
Fibre Wavelength:	850nm Multi Mode	850nm Multi Mode	850nm Multi Mode	850nm Multi Mode
Optical Connector:	ST	ST	ST	ST
No. of Fibres:	Two	Two	Two	Two
Maximum Distance:	2Km	2Km	2Km	2Km
Video Status:	Yellow LED	Yellow LED	Yellow LED	Yellow LED
RS485 Data Status:	Yellow LED	Yellow LED	Yellow LED	Yellow LED
Power Status:	Green LED	Green LED	Green LED	Green LED
Power Supply:	12VDC	Powered by Rack	12VDC	Powered by Rack
Power Consumption:	250mA	250mA	100mA	100mA
Dimensions:	(90 x 110 x 50)mm	(90 x 110 x 37mm	(90 x 110 x 50)mm	(90 x 100 x 37)mm
Operating Temp:	(-55 to +85)°C	(-55 to +85)°C	(-55 to +85)°C	(-55 to +85)°C
Mounting:	Din-Rail	Rack Mount Card	Din-Rail	Rack Mount Card

RM-4S-1200

1U Rack Mount 4 Slot Card Frame for fibre cards



FEATURES

- **1U 19" Rack Mountable**
- **4-Slots for Eagle Range of Fibre or Accessory Cards**
- **Integrated 50W AC-Input PSU (IEC Connector)**
- **Dimensions: (W) 430mm x (L) 205mm x (H) 37mm**

The **RM-4S-1200** is a 19" rack mount enclosure for our range of fibre optic converter cards. It can accept upto 4 x slide-in cards which are powered through the unit. The user can choose from a range of video transmitter cards, video receiver cards and data transceiver cards.

Slim-line, the case is constructed of aluminium and has an LED indicator for presence of AC power.

FT-DIO-IP4-SA /FT-DIO-IP4-RM

4Ch Alarm Input / Contact Closure Fibre Transmission Unit

FEATURES

- **Digital Inputs:** x4 (from Fibre RX)
- **Inputs:** for Dry Contacts (switches)
- **Input Range:** 0~5V
- **Fibre Output:** x 1 (ST Connector)
- **Fibre Type:** 850nM Multi-Mode Fibre
- **Dimensions:** (W)90mm x (L)110mm x (H)50mm
- **Power:** 12VDC Operation

FT-DIO-OP4-SA /FT-DIO-OP4-RM

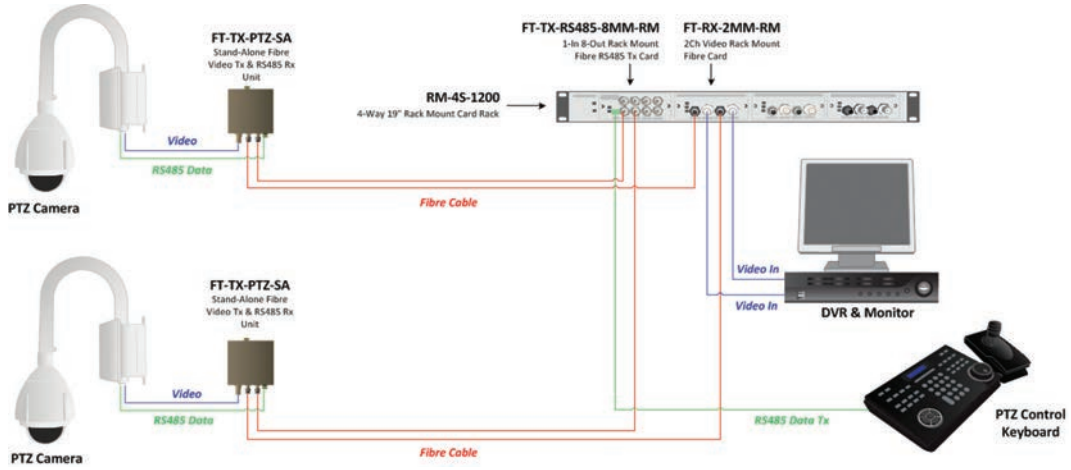
4Ch Alarm Relay Output Fibre Receiver Unit

FEATURES

- **Outputs:** x5 (4 from Fibre TX and 5th is for Fibre Loss/Power Fail Alarm)
- **Relays:** 6A 250VAC/28VDC
- **Output:** x 1 (ST Connector) Fibre
- **Fibre Type:** 850nM Multi-Mode Fibre
- **Dimensions:** (W)90mm x (L)110mm x (H)50mm
- **Power:** 12VDC Operation

Fibre Optic RS485 Serial Transmitters

MODEL	FT-TX-RS485-1MM-RM	FT-TX-RS485-2MM-RM	FT-TX-RS485-4MM-RM	FT-TX-RS485-8MM-RM
Serial Data	2-Wire RS485 Output	2-Wire RS485 Output	2-Wire RS485 Input	2-Wire RS485 Input
Fibre Wavelength	850nm Multi Mode	850nm Multi Mode	850nm Multi Mode	850nm Multi Mode
Optical Connector	ST	ST	ST	ST
No of Fibres	1	1	4	8
Maximum Distance	2km	2km	2km	2km
RS485 Data Status	Yellow	Yellow	Yellow	Yellow
Power Status	Green	Green	Green	Green
Power Supply	Powered by Rack	Powered by Rack	Powered by Rack	Powered by Rack
Power Consumption	20mA	170mA	320mA	630mA
Dimensions	(90 x 110 x 37)mm	(90 x 110 x 37)mm	(90x110x37)mm	(90x110x37)mm
Operating Temp	(-55 to + 85)°C	(-55 to + 85)°C	(-55 to +85)°C	(-55 to +85)°C
Mounting	Rack Mount	Rack Mount Card	Rack Mount Card	Rack Mount Card



Fibre Optic Serial Transceiver

RS232/ RS485 transceiver

MODEL	FT-XCVR-SRL-MM-SA	FT- XCVR-SRL-MM-RM
Serial Data	2-Wire RS232/RS485 Bi-directional	2-Wire RS232/RS485 Bi-directional
Fibre Wavelength	850nm Multi Mode	850nm Multi Mode
Optical Connector	ST	ST
No of Fibres	2	2
Maximum Distance	2Km	2Km
RS232/RS485 Data Status	Yellow	Yellow
Serial Connection	Full Duplex	Full Duplex
Power Status	Green	Green
Power Supply	12VDC	Powered by Rack
Power Consumption	170mA	170mA
Dimensions	(90x110x50)mm	(90x110x37)mm
Operating Temp	(-55 to +85)°C	(-55 to +85)°C
Mounting	Din Rail	Rack Mount Card

E-400DX3

Professional 40" LCD Monitor - 1080P Resolution

VGA HDMI Video

MODEL	E-400DX3
Screen Size	40" LCD Panel
Resolution	1920 x 1080
Aspect Ratio	16:9
Viewing Angle	178deg (horiz/vertical)
Colors:16.7 Million	16.7 Million
Contrast Ratio	3000:1 Typical
Response Time	8ms
Max Brightness	700cd/m2
Video Inputs	1 x DVI, Component, 1 x Display Port, 2 x HDMI, 1 x Composite Video, 1 x VGA
Integrated Audio Speakers	10W x 2
Power	100~240VAC
Power Consumption	220W
Dimensions (mm)	932 x 549 x 130
Brand	Samsung

E-460DX3

Professional 46" LCD Monitor - 1080P Resolution

VGA HDMI Video

MODEL	E-400DX3
Screen Size	46" LCD Panel
Resolution	1920 x 1080
Aspect Ratio	16:9
Viewing Angle	178deg (horiz/vertical)
Colors:16.7 Million	16.7 Million
Contrast Ratio	3000:1 Typical
Response Time	8ms
Max Brightness	700cd/m2
Video Inputs	1 x DVI, Component, 1 x Display Port, 2 x HDMI, 1 x Composite Video, 1 x VGA
Integrated Audio Speakers	10W x 2
Power	100~240VAC
Power Consumption	250W
Dimensions (mm)	1068 x 624 x 130
Brand	Samsung

E-SMT-1922

19" 4:3 Video Input CCTV LCD Monitor

VGA Video

VESA Mount Compatible

MODEL	E-SMT-1922
LCD Display Panel	19" SXGA a-Si TFT LCD
Resolution	600 TVL (1280 x 1024 SXGA mode)
Pixel Pitch	0.264 (H) x 0.264 (V) mm
Viewing Angle	80° / 80° (L/R) 80° / 80° (U/D)
Contrast Ratio	1000:1
Brightness	300cd/m2
Response Time	5ms
Video Interface	Composite Video (BNC in/out), S-Video (Y/C in/out), VGA (DB15)
Audio	Built-In Speakers, x2 Channel Input (RCA)
Other Functions	Picture-in-Picture, Picture-by-Picture, Under-Scan, Freeze
Power Input	100~240VAC Input (IEC connector), no external PSU
Power Consumption	42W Max
Mounting	VESA Standard
Display Protection	Tempered Glass
Dimensions (mm)	397 x 498 x 218 (W x H x D)

E-LM-800C

8" 4:3 Colour LCD Video and VGA Monitor

VGA Video Audio

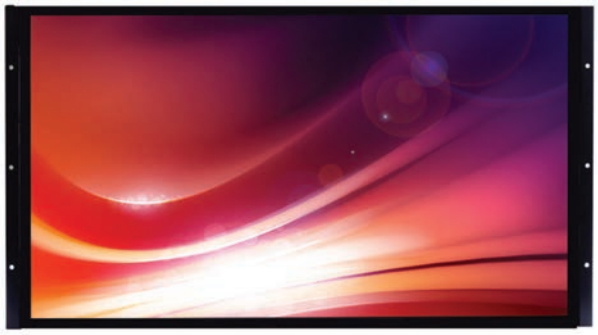
Optional Stainless Steel Housing

MODEL	E-LM-800C
Screen Size	8"
Image Format	Switch between 16:9 & 4:3
Horiz. Resolution	460 TVL
Viewing Angle (Up&Down)	60 Up / 40 Down
Viewing Angle (L&R)	60 Left / 60 Right
Brightness	350 cd/m2
Audio Speakers	Integrated Dual 4,3 cm Speakers
Stereo Audio Socket	3.5mm socket
Menu	On-Screen-Display Menu
Display Settings	Sharpness, Brightness, Saturation Contrast, Ratio, Volume
Video Interface	1 x PAL/NTSC Video Input (3.5mm socket with cable)
VGA Interface	1 x VGA (25-DSUB Female Socket)
Power	12 VDC / 600mA
Dimensions (mm)	210 x 210 x 36

E-SLO SERIES

Open Frame Sunlight Readable Industrial LCD Monitors

VGA Video DVI



E-SLO-2415 - 24" Sunlight Readable Open Frame Display

E-SLO-1568 - 15" Sunlight Readable Open Frame Display

FEATURES

- Hi-Brightness
- Various Sizes Available
- Rugged LED Backlight
- Hi-Shock & Vibration
- Low EMI Noise
- Extended Lifetime
- Optional Video Input Model
- USB Touchscreen Available
- 12VDC Operation

MODEL	E-SLO-1068	E-SLO-1268	E-SLO-1568	E-SLO-1968	E-SLO-2415
Screen Size	10.4"	12.1"	15"	19"	24.5"
Resolution	800 x 600	1024 x 768	1024 x 768	1280 x 1024	1920 x 1080
Contrast Ratio	400:1	700:1	600:1	1000:1	1000:1
Screen Brightness	1600 cd/m2	1600 cd/m2	1600 cd/m2	1600 cd/m2	1000 cd/m2
Viewing Angle	90° (H), 130° (V)	160° (H & V)	160° (H & V)	170° (H), 160° (V)	170° (H), 160° (V)
Colors	262,144	262,144 / 16.2 Million	16.7 Million	16.7 Million	16.7 Million
Response Time	25ms	35ms	8ms	5ms	5ms
Video Inputs (Std Model)	VGA, DVI	VGA, DVI	VGA, DVI	VGA, DVI	VGA, DVI
Video Inputs (Full Model)	Video, VGA & DVI	Video, VGA & DVI	Video, VGA & DVI	Video, VGA & DVI	Video, VGA & DVI
Power Consumption	12VDC @ 11W	12VDC @ 17W	12VDC @ 23W	12VDC @ 26W	12VDC @ 44W
Dimensions (H) x (W) x (D)	204 x 279 x 45 mm	206 x 294 x 37 mm	253 x 351 x 31 mm	327 x 429 x 37mm	327 x 586 x 37mm
Weight	1.3Kg	1.4Kg	1.5Kg	2.75Kg	4.2Kg
Operating Temperature	-20 to 60degC	-20 to 60degC	-20 to 60° C	-20 to 60° C	-0 to 50° C

E-NP-1901

Sunlight Readable Rugged IP65 Rated LCD Monitors

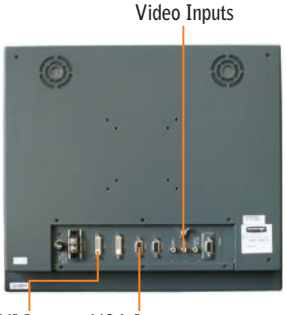
VESA Mount Compatible

VGA Video DVI

FEATURES

- 1000cd/m2 Sunlight Readable
- Various Sizes Available
- Marine Certified (IEC60945)
- Hi-Shock & Vibration
- Front Panel Controls
- USB Touchscreen Available
- IP65 Weatherproof Front Bezel
- 9~36VDC Operating Voltage

E-NP01 19" Model w/ Controls



Outdoor Transportation Display Application

MODEL	E-NP-840	E-NP-1200	E-NP-1501	E-NP-1901	E-NP-2100	E-NP-2400
LCD Panel Size	8.4"	12" (4:3)	15" (4:3)	19" (4:3)	21.5" (16:9)	24" (16:9)
Backlight Type	LED	LED	LED	LED	LED	LED
Display Resolution	800 x 600	1024 x 768	1024 x 768	1280 x 1024	1920 x 1080	1920 x 1080
Contrast Ratio	450:1	700:1	700:1	1000:1	1000:1	3000:1
Viewing Angle	130 ° (H), 115 °(V)	140 ° x 140 °(H x V)	160 ° x 160 °(H x V)	160 ° x 170 °(H x V)	170 ° x 170 °(H x V)	178 ° x 178 °(H x V)
Display Colors	16.2 Million	262K	16.2million	16.7million	16.7million	16.7million
Response Time	35ms	23ms	25ms	5ms	5ms	25ms
Video Inputs	VGA x 1	VGA x 1, DVI x 1, Video x 3	VGA x 1, DVI x 1, Video x 3	VGA x 2, DVI x 2, Video x 3	VGA x 2, DVI x 2, Video x 3	VGA x 2, DVI x 2, Video x 3
Casing	Rugged Aluminium	Rugged Aluminium	Rugged Aluminium	Rugged Aluminium	Rugged Aluminium	Rugged Aluminium
Waterproofing	IP68 when Panel Mounted	IP65 when Panel Mounted	IP65 when Panel Mounted	IP65 when Panel Mounted	IP65 when Panel Mounted	IP65 when Panel Mounted
Operating Temperature	-20°C to +60°C	-20°C to +60°C	-20°C to +60°C	-10°C to +50°C	-10°C to +50°C	-10°C to +50°C
Mounting	Panel or VESA Mount	Panel or VESA Mount	Panel or VESA Mount	Panel or VESA Mount	Panel or VESA Mount	Panel or VESA Mount
Power Consumption	9~36VDC @ 9.5W	9~36VDC @ 24W	9~36VDC @ 40.8W	9~36VDC @ 55W	9~36VDC @ 26W	9~36VDC @ 50W
Dimensions (H) x (W) x (D)	200 x 250 x 64 mm	256 x 297 x 56 mm	303 x 353 x 56 mm	376 x 422 x 56 mm	345 x 526 x 56 mm	375 x 584 x 58 mm

E-CCTV-TEST-700

Advanced 7" CCTV Test Monitor

VGA Video PTZ

The **E-CCTV-TEST-700** is our latest CCTV test monitor. Designed like our other models to withstand the rigours of use in the field, the unit has a rugged plastic polymer enclosure, tempered glass protection and is supplied with a leather carry case.

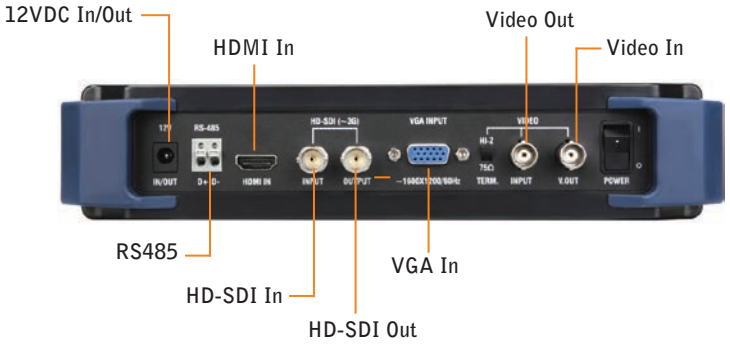
7" MONITOR

The integrated 7" video monitor features LED backlight and has a resolution of 1280x800. It can be used for displaying either composite video signals, HD-SDI signals, VGA signals or HDMI signals. The VGA/HDMI connections are very useful for modern day embedded or PC based DVRs.
Typical applications include setup of cameras & DVRs and the troubleshooting of them.

CCTV TEST TOOLS

For CCTV diagnostic and test purposes, the **E-CCTV-TEST-700** has various integrated tools. The first is the built-in test pattern generator video out. This is useful for testing video cables, checking on interference, for setting up video converters and for configuring wireless links. The second important tool, is the video level meter. This can be useful in diagnosing video signals which have a poor video level caused by cable faults, long cable distances and T-pieces. The RS485 port allows control and testing of PTZ cameras using a variety of control protocols including Pelco-D.

MODEL	E-CCTV-TEST-700
LCD Monitor:	7" Color TFT with LED Backlight
LCD Specification:	1280x800 Resolution - 0.117 (HxV Pitch)
Video Inputs:	Composite Video 1V p~p, HD-SDI, HDMI, VGA
Video Termination:	On/Off Selectable
VGA Resolution:	1600x1200 ~ 640x480
HDMI Resolution:	720p, 1080i & 1080p
Video Level Meter:	Yes (On-Screen Overlay)
Pattern Generator:	Yes (Through Video Output - Full Color Bar)
Video Connections:	Video (BNC), VGA (D-SUB 15), HDMI
RS485 Interface:	1 x for PTZ Camera Control (Screw Terminal)
Battery:	Integrated Li-On 2200mAh Rechargable Battery
Battery Life:	6-8 Hours
Power Output:	12VDC (for camera power) - with fuse
External Power Input:	12.6VDC (for charging or normal operation)
Dimensions:	213 (W) x 120 (H) x 50 (D) mm

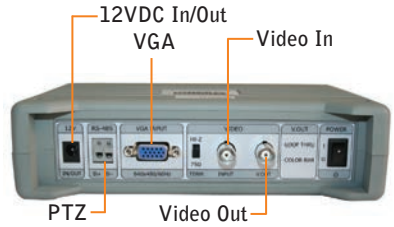


E-CCTV-TEST-56

Advanced 5.6" CCTV Test Monitor

VGA Video PTZ

The **E-CCTV-TEST-56** is an advanced test monitor for CCTV applications. Designed to withstand the rigours of daily use, the unit has a rugged metal enclosure and is supplied with a leather carry case. For installations and general purpose video use, this product includes all the test functions required by a CCTV technician.



5.6" MONITOR

The integrated hi-brightness 5.6" video monitor can be used for displaying either composite video signals or VGA signals. Most new embedded or PC based DVRs have VGA monitor outputs. The handy addition of a portable VGA monitor means your technician does not need to transport a large PC monitor to each site. Brightness, contrast and viewing angle are all menu adjustable.

CCTV TEST TOOLS

For CCTV diagnostic and test purposes, the **E-CCTV-TEST-56** has various integrated tools. The first is the built-in test pattern generator video out. This is useful for testing video cables, checking on interference, for setting up twisted pair converters and for configuring wireless links. The second important tool, is the video level meter. This can be useful in diagnosing video signals which have a poor video level caused by cable faults, long cable distances and T-pieces.

MODEL	E-CCTV-TEST-56
Video Monitor:	5.6" Color TFT with LED Backlight (640x480)
Video Input:	Composite Video 1V p~p
Video Format:	NTSC or PAL
Video Termination:	On/Off Selectable
VGA Connection:	for VGA input (1024x768 or 640x480)
Video Level Meter:	Yes (On-Screen Overlay)
Pattern Generator:	Yes (Through Video Output - Full Color Bar)
Video Connections:	Video (BNC), VGA (D-SUB 15)
RS485 Interface:	1 x for PTZ Camera Control (Screw Terminal)
Battery:	Integrated Li-On 2200mAh Rechargable Battery
Battery Life:	8 Hours (max)
Power Output:	12VDC (for camera power) - with fuse
External Power Input:	12VDC 5.2W (for charging or normal operation)
Weight:	1Kg
Dimensions:	185 (W) x 120 (H) x 50 (D) mm

E-M1DVR-HD

720P Keyring DVR with Covert Video Camera & Audio Microphone

H.264 | Vibration | Audio | USB | HD 720

FEATURES

- Pinhole Color Megapixel CMOS Camera
- VGA or Megapixel Recording (HD)
- Audio Microphone
- MicroSD Card Slot
- Rechargable Battery
- Vibration Alert

Screenshot - Indoors

Screenshot - Outdoors

MODEL	E-M1DVR-HD
Camera Sensor	CMOS 5 Megapixel
Lens	0.7mm Pinhole
Viewing Angle	68deg
Video Recording Size	640x480 or 1280x720 @ 30fps
Video Compression	H.264
Video Frame Rate	30fps
Still Image Capture	2592 x 1944
Minimum Illumination	2 Lux
Time/Date Video Overlay	Yes
Flash Memory	Micro SD Slot (Includes 2GB Micro SD Card)
Vibration Alert	On/Off switchable
Rechargable Battery	3.7V 550mAh Lithium-Ion
Operating Battery Life (Video & Audio)	1.5 Hours
PC Interface	Mini USB 2.0
Weight	32g
Dimensions	71 (l) x 35 (w) x 16mm (Thickness)

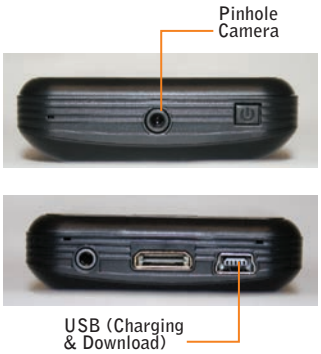
E-M9DVR-2

1080P 'Cellphone' DVR with Covert Video Camera & Audio Microphone

H.264 | Audio | USB | Full HD 1080

FEATURES

- 1080P Pinhole Megapixel CMOS Camera
- Audio Microphone
- 3.0" LCD Video Monitor
- MicroSD Card Slot
- Rechargable Battery
- Manual, Auto or Motion Activated Recording



Screenshot - Outdoors

MODEL	E-M9DVR-2
Camera Sensor	CMOS 1/3.2"
Lens	4mm Pinhole
Viewing Angle	74deg
Video Recording Size	640x480, 1280x720, 1920x1080 @ 30fps
Video Compression	H.264
Video Frame Rate	30fps
Still Image Capture	2592 x 1944 (5Mpixel) or 3200 x 2400 (8Mpixel)
Minimum Illumination	5 Lux
Time/Date Video Overlay	Yes
Flash Memory	Micro SD Slot (Includes 4GB Micro SD Card)
Video Display	3.0" 960x240 TFT LCD
Rechargable Battery	3.7V 1200mAh Lithium-Ion
Operating Battery Life (Video & Audio)	1.5 to 2 Hours
PC Interface	Mini USB 2.0
Weight	90g
Dimensions	110 (l) x 56 (w) x 18mm (Thickness)

E-M10DVR-HD

Covert Clock DVR with Motion Activated Recording

H.264 Audio USB HD 720

The **E-M10DVR-HD** is a fully working clock thermometer with integrated recorder and 720P HD covert camera. It also features a rechargable battery and hi-sensitive audio microphone. Suitable for wall or desktop mounting, the unit is a quality product not to be confused with low cost Chinese made covert clock recorders.

RECORDING:

Designed for stand-alone applications, the unit is activated by an internal PIR sensor which starts the video/audo recording. The battery can operate in a stand-by mode for upto a week or if used in an area with continous motion it will last for up to 4 hours. If utilised in an area with minimal movement it should record for typically 24 to 48 hours. The user can select between a JPEG still or a video recording mode. The still mode stores a sequence of still megapixel images. Another feature allows the user to switch between VGA and HD recording resolutions to conserve battery life.

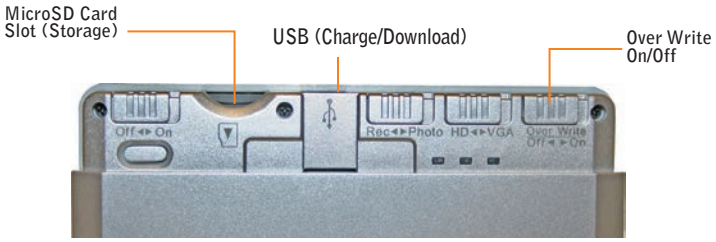
PLAYBACK:

All recordings are made to a microSD card which can be removed for playback using a standard video player such as media player or VLC. Alternatively the unit can be connected via it's USB port to a PC for review of the video footage or still images. Charging of the unit also takes place via this USB port. All video is overlayed with a time/date and a hidden LED shows recording status.

FEATURES:

- **720P HD Pinhole Camera**
- **Hi-Sensitive Audio Microphone**
- **PIR Sensor for Motion Recording**
- **Still or Video Mode**
- **Wall or Desk Mountable**
- **Integrated Battery**

MODEL	E-M10DVR-HD
Lens	4.25mm (F2.6) - 59° Angle of Vew
Sensor	1/4" CMOS 2 Megapixel
Recording Modes	Video or Still Image
Video Recording Resolution	1280x720
Video Recording Frame Rate	25fps
Storage Media	MicroSD Card (Upto 16GB)
PC Interface	USB Mini (Charge & Data)
Continous Recording Battery Life	4~5 Hours
Minimal Motion Recording Battery Life	24 to 48 Hours
Standby Battery Life	Upto 7 Days



E-M3DVR

Matchbox-Sized SD Card DVR

H.264 Audio USB

INTRODUCTION

The **E-M3DVR** is a mini digital video and audio recorder with microSD card slot for onboard recording. The unit is compatible with our E-HEADCAM-2 mini camera or can be used with any standard composite video camera. It has an integrated real-time clock and time/date overlay for the video. Applications include investigations and mystery shopping probes.

VIDEO RECORDING:

Extremely simple to configure and use, the unit has an on/off button and also comes included with a wired on/off remote control for body worn or bag mounted applications. It also includes a swivel mount clip for mounting of the device.

PLAYBACK:

As video is stored in a standard AVI format, it can easily be replayed by using a standard video for windows application such as media player or VLC.

FEATURES:

- **External Video/Audio Input**
- **One Button Control**
- **MicroSD Card Slot for Onboard Storage**
- **90minute Battery Life**
- **USB PC interface & Wired On/Off Remote**

Video/Audio Input & 5VDC Output Connector

MODEL	E-M3DVR
Video Input	Composite Video (PAL or NTSC)
Compatible Cameras	E-HEADCAM-2 or other suitable composite video
Recording Resolution & FPS	720x576 @ 25fps
Video Compression	H.264
Recording Mode	Still JPEG photo or AVI video (Selectable)
External Trigger/Remote	Yes, Included
Battery	Rechargable 3.7VDC 800mA (90 min battery life)
Charging	Approx 3 Hours via USB
Dimensions	74 x 39 x 15mm
Weight	48g
SDHC-Card Capacity	MicroSD Card Upto 32GB
Recording Time	1.5GB Per Hour

E-M24DVR / E-M25DVR

Broadcast Quality 1Ch Compact DVRs with Audio

MPEG-4 MPEG-2 H.264 Audio CF SD

The **E-M24DVR** and the **E-M25DVR** are compact one channel digital video and audio recorders. Featuring MPEG-2/MPEG-4 compression, the E-M24DVR is capable of recording 25fps broadcast quality video upto 10Mbps in video bit rate quality. While the E-M25DVR is an H.264 compression model for more compressed recording application. Designed for rugged vehicle or body-worn applications, the recorders are fully solid-state and record to a removable flash disk (CF card for the E-M24DVR and SD card for the E-M25DVR). Both have 2.4" LCD monitors.

FEATURES

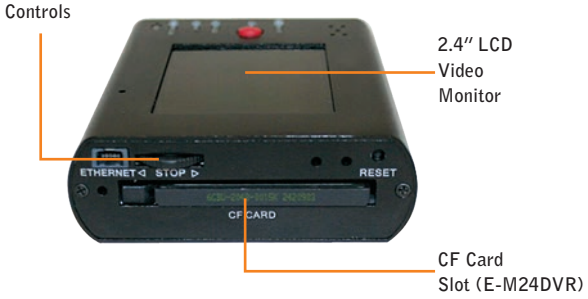
- **MPEG-2/MPEG-4 Encoding (E-M24DVR) & H.264 Encoding (E-M25DVR)**
- **25fps Video Recording Speed with Full D1 Image Format Recording (720x576)**
- **Motion Detection or Continous Recording**
- **Time/Date Stamp**
- **Integrated GPS Receiver for GPS Overlay (E-M24DVR only)**
- **Control via IR Remote Control**
- **Integrated Lithium Polymer Battery**
- **Flash Disk Card Slot for Storage**
- **5VDC or 12VDC Output Power for the Camera**

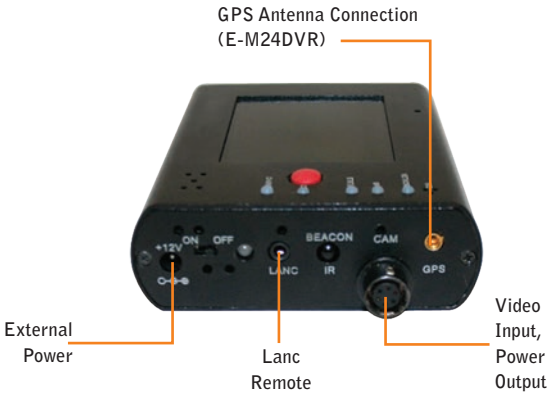
AUDIO

The **E-M24DVR** and the **E-M25DVR** feature high quality integrated audio microphones. Users can also make use of a line-input audio source or an external microphone. Various gain settings can also be adjusted to suit the audio quality required.

DVR CONTROL & OSD

Various methods can be used for controlling the unit, these include an IR remote control, a one-action record button and an optional LAN-C remote control. The OSD menu allows full control of the DVR. Another OSD function is that of video overlay. Users can customise the video overlay onto the video through the software. This includes the option to add the GPS receiver infomation onto the video (E-M24DVR).





MODEL	E-M24DVR	E-M25DVR
Video Input	One Composite Video (1Vp-p 75 ohm) - PAL, NTSC or SECAM	One Composite Video (1Vp-p 75 ohm) - PAL, NTSC or SECAM
Video Resolution	Full D1 (720x576) or CIF (352x288)	Full D1 (720x576) or CIF (352x288)
Video Frame Rate	Upto 25fps (PAL)	Upto 25fps (PAL)
Video Encoding	MPEG-2 or MPEG-4 (Selectable)	H.264
Video Bit Rate	1~10Mbits (6 level adjustment)	600K~2Mbits (3 level adjustment)
Recording Mode	Circular, Disk Full Continuous or Motion Activated	Circular, Disk Full Continuous or Motion Activated
Integrated Microphone	Yes	Yes
Audio External Input	Mono or Stereo Audio/Microphone Input	Mono or Stereo Audio/Microphone Input
Audio Sampling	8/16/32/48KHz 16-bit	48KHz 16-bit
Audio Compression	PCM/ADPCM	AAC
Video/Audio/Power Connector	Lockable Multi-Pole Lemo (Supplied w cable assembly)	Lockable Multi-Pole Lemo (Supplied w cable assembly)
GPS Receiver	Integrated - requires external GPS antenna (included)	N/A
LCD	2.4" TFT LCD Monitor	2.4" TFT LCD Monitor
Flash Card Storage	CF Card - 512MB~64GB (FAT32)	SD Card - 512MB~64GB (FAT32)
Dimensions	87 x 70 x 23.5 mm	87 x 70 x 23.5 mm
Weight	220g	220g
Camera Power Output	5~12VDC @ 250mA(Selectable via OSD)	5~12VDC @ 250mA(Selectable via OSD)
Battery	Lithium Polymer 3500mAH with upto 2.5 Hour Battery Life	Lithium Polymer 3500mAH with upto 4 Hour Battery Life
External / Charging Voltage	12VDC (300mA, 1A supply recommended)	12VDC (300mA, 1A supply recommended)

E-M44DVR

4Ch Compact DVR with Audio & GPS

MPEG-4 MPEG-2 Audio CF

The **E-M44DVR** is a compact mini digital video and audio recorder with four analog video channels. The unit records onto a removable CF card and records the four cameras simultaneously in quad, picture-in-picture or split screen mode. Video can be recorded at upto 25fps at D1 resolution at upto 10mbps bitrate quality. The user has a choice of using either MPEG-2 or MPEG-4 for video encoding.

POWER:

An integrated lithium-ion battery pack allows stand-alone operation or the DVR can operate off 12VDC. The DVR is also able to supply upto 300mA @ 12VDC to power an external camera and microphone.

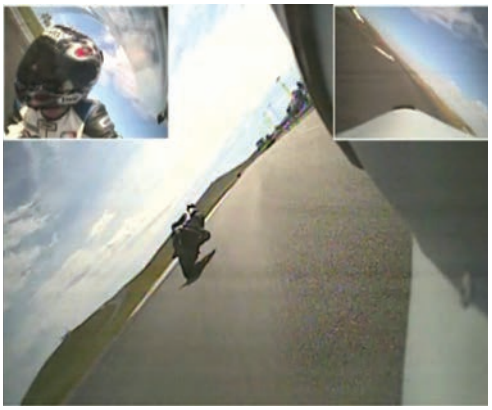
GPS:

A special feature of the E-M44DVR is the integrated GPS receiver. This function allows the storage of GPS data with the recorded video. Thereby allowing the user to determine where video was recorded. This is especially useful for mobile surveillance applcaitons.

FEATURES:

- **4 x Analog Video Channels in Quad, Split or PIP mode**
- **Integrated Hi-Sensitive Audio Microphone & External Audio Input**
- **CF Card Slot for Storage**
- **Integrated Rechargable Battery**
- **GPS Receiver with External Antenna**

MODEL	E-M44DVR
Video Input	Four Composite Video Inputs (1Vp-p 75 ohm)
Video Resolution	Upto Full D1 (720x576), CIF (352x288)
Video Frame Rate	Upto 25fps (PAL)
Video Encoding	MPEG-2 or MPEG-4 (Selectable)
LCD	2.4" TFT LCD Monitor
Flash Card Storage	CF Card - 512MB~64GB (FAT32)
Dimensions	120 x 70 x 23 mm
Weight	280g
Camera Power Output	8~12VDC @ 250mA (Selectable via OSD)
Battery	Li-Ion Polymer 4800mAH with upto 2.5Hr Battery

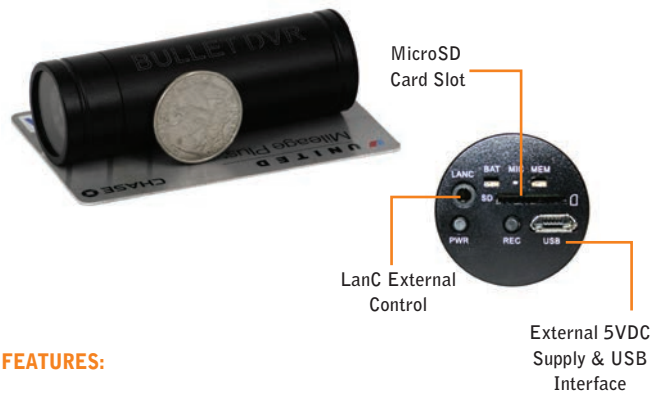


Picture-in-Picture Split View Recording

E-BULLET-HD

1080P HD Bullet Recorder with Audio Microphone

H.264 Audio SD Full HD 1080



The **E-BULLET-HD** is a bullet camera with integrated digital video and audio recorder. Recording onto a removable microSD card, the unit utilises H.264 for video compression. Special dual-lasers provide alignment for correct positioning and a real-time clock provides a time/date overlay for the video. An optional LAN-C remote control is available for external triggering of the unit.

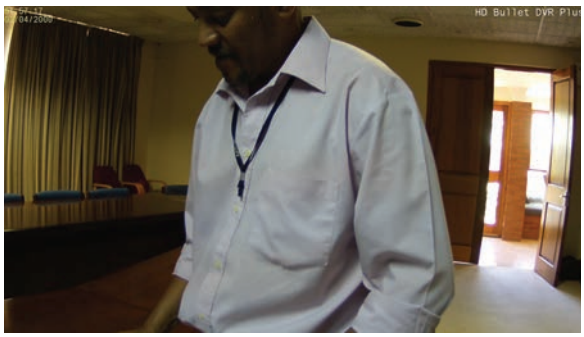
RECORDING STORAGE REQUIREMENTS:

VIDEO QUALITY SETTING MODE	720P RECORDING RESOLUTION	1080P RECORDING RESOLUTION
LQ	67min/GB	34min/GB
EP	45min/GB	23min/GB
LP	34min/GB	19min/GB
SP	27min/GB	15min/GB
HQ	23min/GB	12min/GB
UQ	17min/GB	10min/GB

FEATURES:

- **Upto 1080P HD Resolution at 12Mbits/s Recording**
- **MicroSD Card Slot for Storage**
- **Integrated 1.5 Hour Rechargable Battery**
- **Hi-Sensitive Audio Microphone**
- **USB PC Interface**

MODEL	E-BULLET-HD
Sensor	1/2.5" CMOS 2952x1944
Lens	3.6mm Fixed (F1.8) - 126° Angle of Vew
Video Frame Rate	24fps/25fps/30fps/50fps/60fps
Video Encoding	H.264, CBR or VBR
Audio	32KHz, 16-Bit (Integrated Microphone)
Storage	microSD card slot
Dimensions	68 (L) x 26 mm (Diam)
Weight & Operating Temperature	68g
Power	MicroUSB Socket (500mA)
Battery	Lithium Polymer 4800mAH with upto 2.5Hr Battery



1080P Hi-Definition 16:9 Video Recording

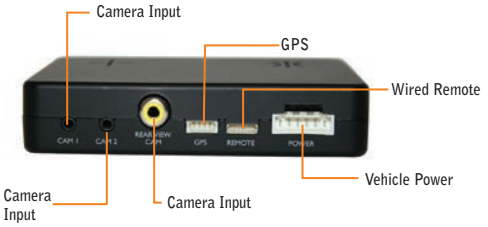
E-P3-M0BI-4CH

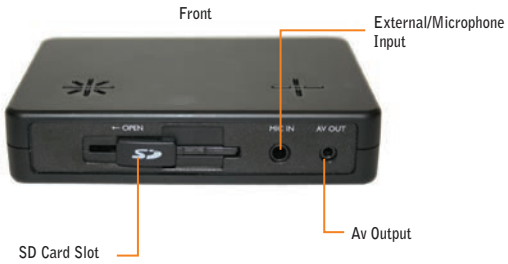
4Ch Compact Vehicle Video Recorder with GPS Tracking

Motion | Audio | USB | GPS | SD

FEATURES

- Compact Size
- 4 x Camera & 1 Audio Inputs
- Alarm Inputs
- SD Card For Storage
- GPS Integration
- 3-Axis G Shock Sensor
- 12~24VDC Input





MODEL	E-P3M0BI
Video Inputs	4 x Composite Video
Audio Input	1 x Internal or External Microphone
AV Output	1 Video out, 1 Audio out
Recording Modes	Continuous or Event recording
Recording Resolution	720x576 (25fps) or 720x288 (50fps)
Storage	Removable SDHC Card (with support upto 32GB SDHC)
GPS	GPS with External GPS Antenna
Movement Sensor	3-axis G-Shock Sensor
Vehicle Inputs	Car Signal Brake, Left Turn, right, Speed Pulse
Alarm Inputs	3 x Inputs
Compression	MPEG4 (Continous recording) & MJPEG (Event recording)
Remote Controller	Wired with Record button, Playback button, Snap shop button)
Client Software	Included PC Video/Audio/GPS Viewer with Google Earth support

E-P4-M0BI-2

4Ch H.264 Mobile HDD DVR with GPS Tracking

Motion | Audio | PTZ | USB | Alarm I/O | Ethernet | H.264 | SD

FEATURES

* 4 Video & 4 Microphone Input Channels
* Integrated GPS Tracking
* G-Shock Sensor
* 12VDC Output for Cameras
* Alarm I/O
* 10/100 Mbps Network Interface
* Vibration & Shock Resistant
* 2.5" HDD or SD Card Storage
* USB Mouse Support
* Wide Operating Voltage Range

INTRODUCTION

The **E-P4-M0BI-2** is a high quality embedded digital video recorder with GPS tracking. Designed for vehicle and mobile use, it is also suitable for a covert use and any, general purpose video videosurveillance application requiring a small DVR. For mobile applications, the E-P4-M0BI-2 has a robust design and features hardware to provide protection against shock and vibration.

MODEL	E-P4-M0BI-2
Video Inputs	4 x Composite Video (BNC)
Outputs	1 x Composite Video (BNC)
Monitoring Speed	25 fps per Ch
Recording Speed (CIF Resolution)	25 fps per Ch
Recording Speed (2CIF Resolution)	12.5fps per Ch
Recording Speed (D1)	6fps per Ch
Recording Image Format	352 x 288 (CIF), 720 x 288 (2CIF), 720x576 (D1)
Video Compression	H.264
Audio	4 x Audio Input (BNC) & 1 x Audio Output (RCA)
Alarm Inputs	2
Alarm Outputs	2 (Relays)
Camera Power Output	Max 300mA per camera
Ethernet Interface	10/100 Mbps (RJ45)
Storage	2.5" Removable SATA or SD Card Slot
HDD Health Check	Yes (Temperature & Condition)
USB Ports	x 2 (Mouse & Backup)
Operating Temperature	-20 to 50degC
Power	12~36VDC (64W)
Weight	1.33Kg (without HDD)
Dimensions (mm)	218 (W) x 255 (D) x 56 (H)

E-iRAS

Multi-Client Software for the E-DVR-104 & E-DVR-1640ED/SD/HD DVRs

INTRODUCTION

E-iRAS is a windows-based application designed for the E-DVR-104, E-DVR-1640ED, E-DVR-1640SD & E-DVR-1640HD digital video recorders.

The application allows the display of live or recorded video from one or more recorders. It can also be used for remote configuration of the DVR. Users can select recorders from a drop-down tree-structure and drag/drop them onto the video display windows. Various layouts can also be saved by the users.

PLAYBACK

Video can be played back from the DVR over the network in the same way live video is displayed. The user is provided with a time-line bar which displays motion or alarm events. Selected video can also be backed or saved as a still image.

FEATURES

- **Supplied with E-DVR-104 & E-DVR-1640 series DVRs.**
- **Single, Quad, 8-Way, 3x3, 4x4, 25-Way, 32-Way, 64-Way & 128-Way Window Display.**
- **Clickable Map**
- **Remote Site List**
- **PTZ Software Control**
- **Smart Motion Search**
- **Thumnail Search**

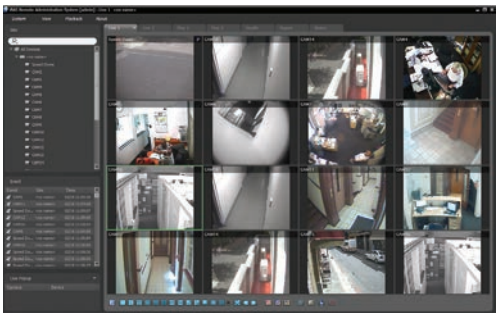
CLICKABLE MAP

E-iRAS features a clickable map function and programming tool. Users can create there own clicable maps by inserting a BMP file and inserting camera/alarm icons onto the map.

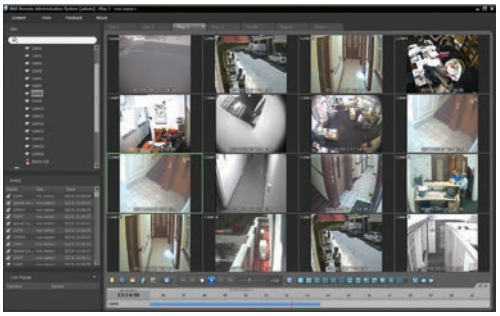
OTHER FEATURES

Other program functions include user password access control, smart motion search and PTZ software control. This allows users to control PTZ cameras that are connected to the serial port of that particular DVR.

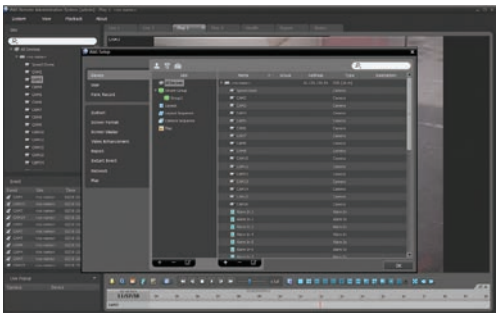
Live Monitoring



Playback View



Configuration



E-RAS-MOBILE

Smart Phone Software for the E-DVR-104 & E-DVR-1640ED/SD/HD DVRs

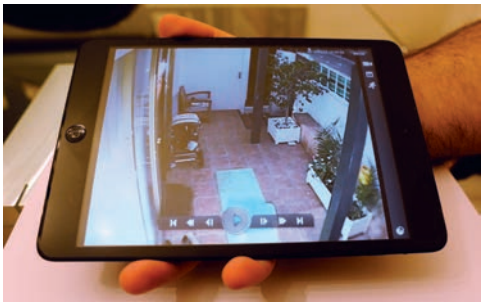
INTRODUCTION

E-RASPLUS-MOBILE is a suite of mobile applications for smart phones. These are designed to support E-DVR-104, E-DVR-1640ED, E-DVR-1640SD & E-DVR-1640HD digital video recorders.

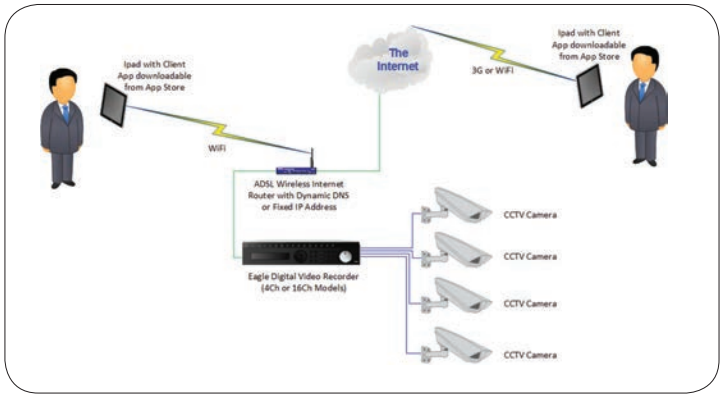
Currently we provide support for the Iphone, Ipad & Android OS phones & devices. The application allows the display of live video from one or more recorders and is possible over EDGE, 3G and WIFI (Best).

FEATURES

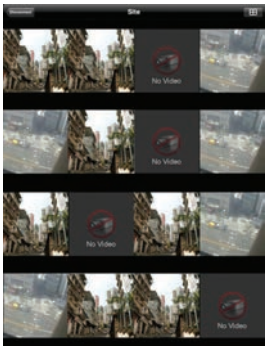
- **Android & Iphone Apps**
- **Supports the E-DVR-104 & E-DVR-1640 series DVRs.**
- **Single, Quad & Full Screen Views**
- **Audio Support**
- **Remote Site List**



Playback on an Ipad Tablet


Ipad with Client App downloadable from App Store
The Internet
3G or WiFi
Ipad with Client App downloadable from App Store
WiFi
ADSL Wireless Internet Router with Dynamic DNS or Fixed IP Address
Eagle Digital Video Recorder (4Ch or 16Ch Models)
CCTV Camera
CCTV Camera
CCTV Camera
CCTV Camera

Site Selection

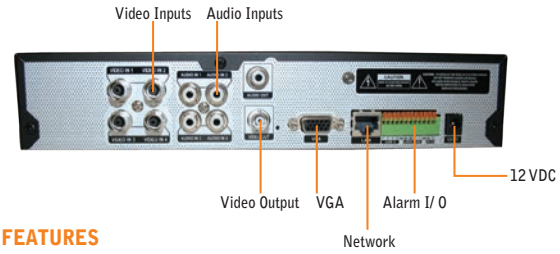


Multi-Screen View

E-DVR-104

4Ch 100fps Embedded Video Recorder with Audio & POS/Till Overlay

H.264 Motion Audio PTZ Alarm I/O Ethernet NEX



FEATURES

- 4 Video Input Channels
- 4 Audio Inputs & 1 Audio Output
- 4 Alarm Inputs & 1 x Relay Output
- RS485 PTZ Camera Control
- VGA or Composite Video Main Monitor Output
- 25fps CIF Recording on every channel
- Support for 1 x SATA HDD
- Network/RS485 Remote Keyboard (Optional)
- POS Till Overlay
- Compact Size

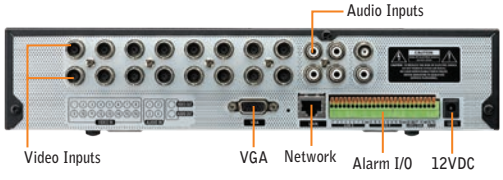
[Remote Network Software - Free]
* Windows Multi-Client Software (iRAS)
* Iphone, Ipad and Client Monitoring Software

MODEL	E-DVR-104
Operating System	Embedded Linux
Video Format	PAL/NTSC (selectable)
Video Inputs	4 Composite Video (BNC)
Video Compression	H.264
Monitoring Speed	Real Time
Max Recording Speed (CIF)	25fps per channel (320x288)
Max Recording Speed (2CIF)	12.5fps per channel (720x288)
Max Recording Speed (4CIF)	6fps per channel (720x576)
Audio I/O	4 x inputs, 1 x output
Alarm In/Out	4 x inputs, 1 relay output
System Control	Front panel, IR Remote, USB, Keyboard
Main Monitor Outputs	1 (1 x VGA or 1 x Video Out)
Recording Modes	Continuous, Schedule, Alarm, Motion & Panic
Recording Adjustments	Resolution, recording frame rate & picture quality
Search Mode	Time, calender, log & smart motion search
Alarm Notification	Pop up, alarm relay, email
Mini-player for backup	Auto installation during backup
Communication ports	1 x RS-232C, 1 x RS-485, 2 x USB
Ethernet	10/100Mbps Ethernet Port
Storage Capacity	1 x Internal SATA HDD
Backup	USB & Network
Power	12VDC @ 3A 36W (max)
Dimensions	265 (W) x 52 (D) x 188 (H)

E-DVR-1640ED

16Ch 400fps Embedded Video Recorder with Audio & POS/Till Overlay

H.264 Motion Audio PTZ Alarm I/O Ethernet NEX



FEATURES

- 16 Video Input Channels
- 4 Audio Inputs & 1 Audio Output
- 16 Alarm Input & 1 x Relay Output
- RS485 PTZ Camera Control
- VGA or Composite Video Main Monitor Output
- 25fps CIF Recording on every channel
- Support for 1 x SATA HDD
- Network/RS485 Remote Keyboard (Optional)
- POS Till Overlay
- Compact size

[Remote Network Software - Free]
* Windows Multi-Client Software (iRAS)
* Iphone, Ipad and Client Monitoring Software

MODEL	E-DVR-1640ED
Operating System	Embedded Linux
Video Format	PAL/NTSC (selectable)
Video Inputs	16 Composite Video (BNC)
Video Compression	H.264
Monitoring Speed	Real Time
Max Recording Speed (CIF)	25fps per channel (320x288)
Max Recording Speed (2CIF)	12.5fps per channel (720x288)
Max Recording Speed (4CIF)	6fps per channel (720x576)
Audio I/O	4 x inputs, 1 x output
Alarm In/Out	16 x inputs, 1 relay output
System Control	Front panel, IR Remote, USB, Keyboard
Main Monitor Outputs	1 (1 x VGA or 1 x RCA Video Out)
Recording Modes	Continuous, Schedule, Alarm, Motion & Panic
Recording Adjustments	Resolution, recording frame rate & picture quality
Search Mode	Time, calender, log & smart motion search
Alarm Notification	Pop up, alarm relay, email
Mini-player for backup	Auto installation during backup
Communication ports	1 x RS-232C, 1 x RS-485, 2 x USB
Ethernet	10/100Mbps Ethernet Port
Storage Capacity	1 x Internal SATA HDD
Backup	USB & Network
Power	12VDC @ 4.2A
Dimensions	300 (W) x 62 (D) x 237 (H)

E-DVR-1640XD

16Ch 400fps Embedded Video Recorder with 4 Audio Channels, Looping Outputs & POS/Till Overlay

H.264 Motion VGA Audio PTZ USB Alarm I/O DVD Ethernet NEX

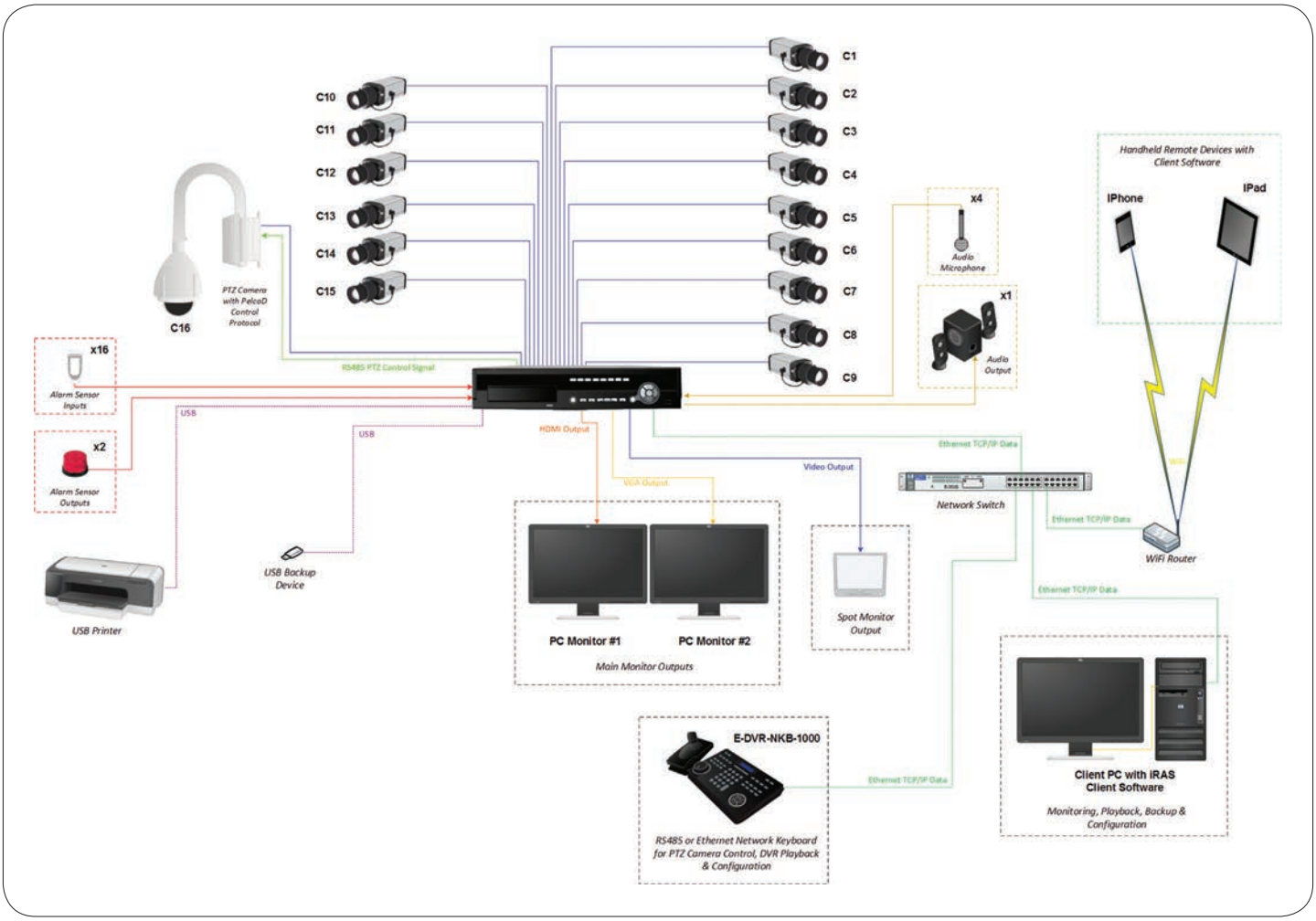
FEATURES

- 16 Video Input Channels
- 4 Audio Input Channels & 1 Audio Output
- RS485 PTZ Camera Control
- VGA & HDMI Main Monitor Outputs
- 1 Spot Monitor Video Output
- D1 25fps Recording on every channel (400fps total)
- Support for 960H Video Recording Standard
- DVD-RW for Backup
- Support for 3 x SATA HDDs
- Network/RS485 Remote Keyboard (Optional)
- POS Till Overlay

iRAS VIDEO MANAGEMENT SOFTWARE (SUPPLIED FREE)

- Multi-site/Enterprize Level Client Software
- Remote Access & Total Management from Client PC
- Display upto 64 x Cameras (from different DVRs)
- Event Notification Search
- Smart Motion Search
- Video Save as AVI or Still Image
- Editable Camera/Alarm Map

MODEL	E-DVR-1640XD
Operating System	Embedded Linux
Video Format	PAL/NTSC (selectable)
Operation	Quadplex (Simultaneous Record/Playback/ Network/Backup)
Video Inputs	16 Composite Video (BNC)
Video Compression	H.264
Monitoring Speed	Real Time 25fps per channel
Display Mode	1, 4, 1+5, 1+7, 9, 16 & PIP
Max Recording Speed (4CIF)	25fps per channel (720x576)
Max Recording Speed (960H)	16fps per channel (960x576)
Audio In/Out	4 in, 1 Out
Alarm In/Out	16 in, 2 Relay Out (N/O, N/C), 1 Reset
System Control	Front Panel, IR Remote, USB, PC Client, Keyboard
Main Monitor Output	1 x VGA, 1 x HDMI & 1 x BNC Video (Spot)
Recording Modes	Continuous, Schedule, Alarm, Motion & Panic
Recording Adjustments	Resolution, recording frame rate & picture quality
Search Mode	Time, calender, log & smart motion search
Alarm Notification	Pop up, alarm relay, email
Mini-player for backup	Auto installation during backup
Communication Ports	1 x RS-232C, 1 x RS-485, 2 x USB
Ethernet	10/100Mbps Ethernet Port
Storage capacity	3 x Internal SATA HDD + 1 x eSATA External
Backup	DVD-RW, USB & Network
Power	100~240VAC (45W)
Dimensions	430 (W) x 400 (D) x 88 (H)



E-DVR-1640HD

20ch Hybrid Embedded Digital Video Recorder - For Analog & IP Cameras

H.264 Motion VGA Audio PTZ USB Alarm I/O DVD Ethernet NEX

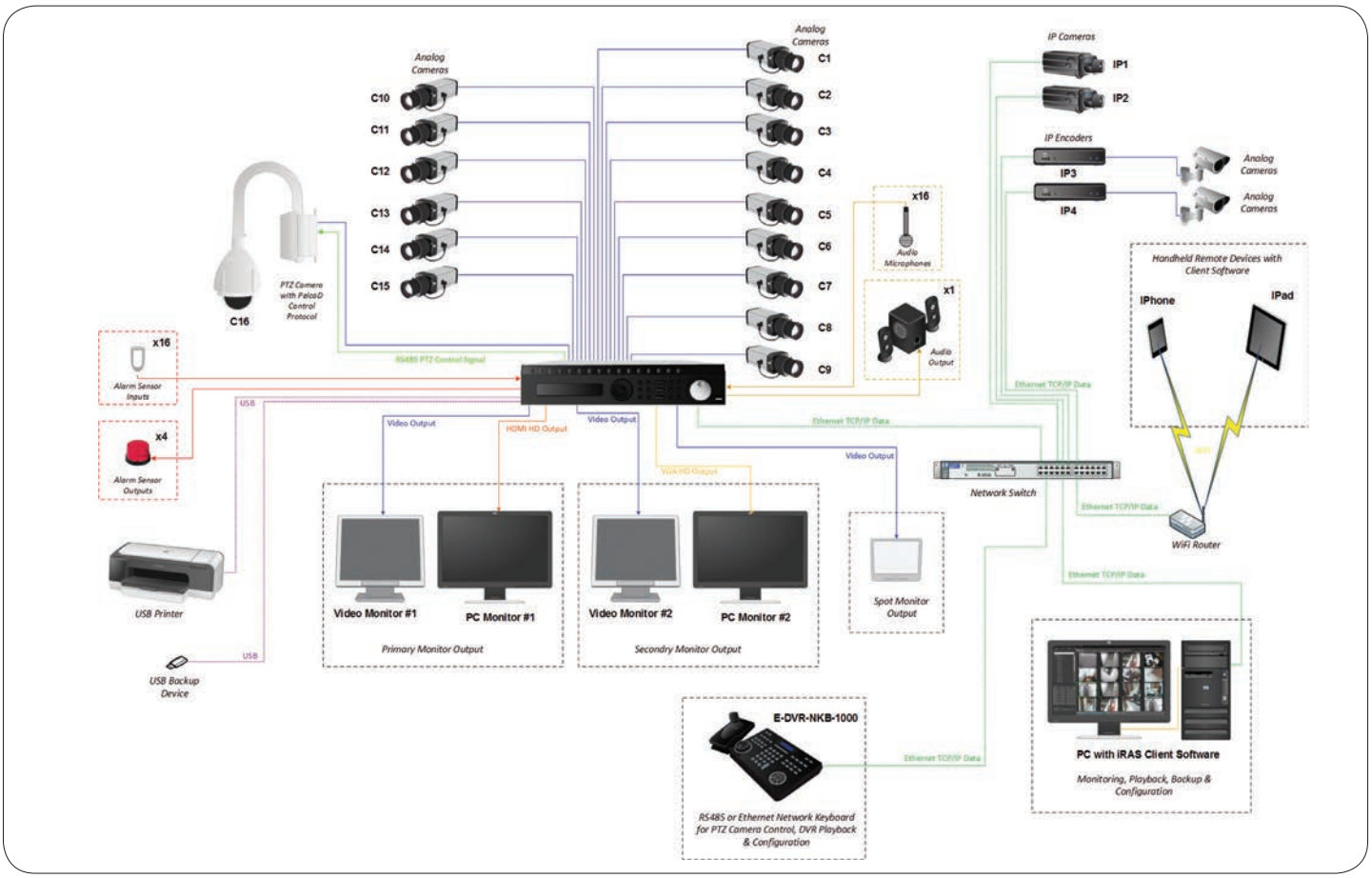
FEATURES:

- 16 Analog Video Input Channels
- 4 IP Video Input Channels
- 25fps at 4CIF Per Analog Channel
- 30fps at 720P or 15fps at 1080P Per IP channel
- 16 Audio Input Channels & 1 Audio Output
- RS485 PTZ Camera Control
- Simultaneous HDMI & VGA Main Monitor Output
- 2 Programmable Video Outputs
- 1 Spot Monitor Video Output
- D1 (720x576) 25fps Recording on every channel
- Internal DVD-RW for Backup
- Support for 5 x SATA HDDs
- Network/RS485 Remote Keyboard (Optional)
- POS Till Overlay

COMPATIBLE IP HARDWARE:

- Axis
- Basler
- Dynacolor
- Flexwatch
- Panasonic
- Inex Branded IP Cameras
- Inex Branded IP Video Encoders
- Sony (Continous Recording Only)

MODEL	E-DVR-1640HD
Operating System:	Embedded Linux
Video Format:	PAL/NTSC (selectable)
Operation:	Quadplex (Simultaneous Record/Playback/Network/Backup)
Analog Video Inputs:	16 Composite Video (BNC)
IP Video Inputs:	4 (IP Cameras and/or IP Video Encoders)
Looping Outputs:	16 (BNC)
Video Compression:	H.264
Max Recording Speed (Analog Inputs):	400fps (i.e 25fps at 720x576 per ch)
Max Recording Speed (IP Inputs):	100fps (i.e 25fps at 4CIF per ch) or 120fps (720P) or 70fps (1080P)
Alarm In/Out:	16 in, 4 Out, 1 Reset
System Control:	Front Panel, IR Remote, USB, PC Client PC, Keyboard
Main Monitor Outputs:	2 (1 x HDMI, 1 x VGA)
Video Outputs:	2 Programmable Video Outs, 1 x Spot Monitor Out
Recording modes:	Continuous, Schedule, Alarm, Motion & Panic
Recording adjustments:	Resolution, recording frame rate & picture quality
Search mode:	Time, calendar, log & smart motion search
Alarm notification:	Pop up, alarm relay, email
Mini-player for backup:	Auto installation into DVD during backup
Communication ports:	1 x RS-232C, 1 x RS-485, 2 x USB
Ethernet:	Dual Gigabit Ethernet Ports
Storage capacity:	5 x Internal SATA HDD & 1 eSATA Connection
Backup:	DVD-RW, eSATA, USB & network
Power:	110~240VAC
Dimensions:	430 (W) x 490 (D) x 88 (H)



E-DVR-1610

24Ch Hybrid Embedded Digital Video Recorder

ONVIF PTZ H.264 Motion USB Alarm I/O DVD Ethernet VGA Audio HD 720 Full HD 1080

FEATURES:

- 16 Analog Video Input Channels
- 8 IP Video Input Channels
- 25fps at 4CIF Per Analog Channel
- 30fps at 720P or 15fps at 1080P Per IP channel
- 960H Analog Video Resolution Support
- 16 Audio Input Channels & 1 Audio Output
- RS485 PTZ Camera Control
- Simultaneous HDMI & VGA Main Monitor Output
- DVD-RW for Backup
- Support for 8 x Internal SATA HDDs
- Free Windows & Ipad/Iphone Client Applications

SUPPORTED IP CAMERAS:

- Sony
- Axis
- Arecont Vision
- Pansonic
- Pelco
- Vivotek
- Bosch
- Dynacolor
- Samsung

MODEL	E-DVR-1610
Operating System:	Embedded Linux
Video Format:	PAL/NTSC (selectable)
Operation:	Quadplex (Simultaneous Record/Playback/Network/Backup)
Analog Video Inputs:	16 Composite Video (BNC)
IP Video Inputs:	8 (720P Resolution) or 4 (1080P Resolution)
Looping Outputs:	16 (BNC)
Video Compression:	H.264
Max Recording Speed (Analog Inputs):	400fps (i.e 25fps at 720x576 per ch)
Max Recording Speed (IP Inputs):	240fps (720P) or 120fps (1080P)
Alarm In/Out:	16 in, 6 Out
System Control:	Front Panel, IR Remote, USB, PC Client PC, Keyboard
Main Monitor Outputs:	2 (1 x HDMI, 1 x VGA)
Video Outputs:	2 (1 x Video Output, 1 x Spot Monitor Out)
Recording modes:	Continuous, Schedule, Alarm, & Motion
Recording adjustments:	Resolution, recording frame rate & picture quality
Search mode:	Date/Time, Time-line Bar & Event List
Alarm notification:	Pop up, alarm relay, email
Backup Over Network:	Yes, via client software application
Communication ports:	1 x RS-232C, 1 x RS-485, 3 x USB
Ethernet:	Single Gigabit Ethernet Port
Storage capacity:	8 x Internal SATA HDD & 4 eSATA Ports
Backup:	DVD-RW, eSATA, USB & network
Power:	110~240VAC
Dimensions:	440 (W) x 460 (D) x 89 (H)

E-NVR-804

8Ch Embedded Network Video Recorder

ONVIF PTZ H.264 Motion USB Alarm I/O Ethernet VGA Audio HD 720 Full HD 1080

FEATURES:

- 8 IP Video Input Channels
- 30fps at 720P or 15fps at 1080P Per IP channel
- 1 Audio Input Channels & 1 Audio Output
- RS485 PTZ Camera Control
- Simultaneous HDMI & VGA Main Monitor Output
- 1 Spot Monitor Video Output
- Support for 2 x SATA HDDs
- 4 PoE powered network ports
- Free Windows & Ipad/Iphone Client Applications

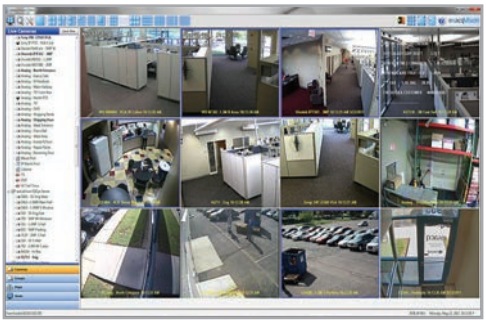
SUPPORTED IP CAMERAS:

- Sony
- Axis
- Arecont Vision
- Pansonic
- Pelco
- Vivotek
- Bosch
- Dynacolor
- Samsung

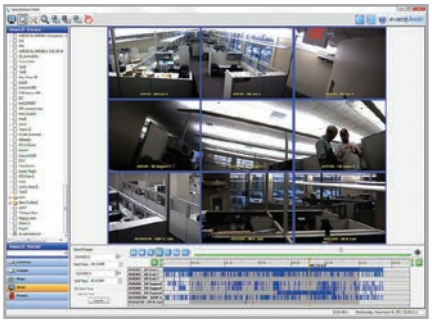
MODEL	E-NVR-804
Operating System:	Embedded Linux
Video Format:	PAL/NTSC (selectable)
Operation:	Quadplex (Simultaneous Record/Playback/Network/Backup)
IP Video Inputs:	8
Video Compression:	H.264
Max Recording Speed (IP Inputs):	240fps (720P) or 120fps (1080P)
Alarm In/Out:	8 in, 3 Out
System Control:	Front Panel, IR Remote, USB, PC Client PC
Main Monitor Outputs:	2 (1 x HDMI, 1 x VGA)
Video Outputs:	1 Video Output
Recording modes:	Continuous, Schedule, Alarm, & Motion
Recording adjustments:	Resolution, recording frame rate & picture quality
Search mode:	Date/Time, Time-line Bar & Event List
Alarm notification:	Pop up, alarm relay, email
Backup Over Network:	Yes, via client software application
Communication ports:	1 x RS-232C, 1 x RS-485, 2 x USB
Ethernet:	1 x Gigabit Ethernet Port, 4 x PoE Network Points
Storage capacity:	2 x Internal SATA HDD
Backup:	USB & network
Power:	110~240VAC (via external power supply)
Dimensions:	375 (W) x 285 (D) x 50 (H)

E-EXACQVISION

IP NVR / VMS Software



Live Monitoring - With Tree Structure



Playback - With Timeline Bar

Mapping Support

FEATURES

- Suitable for Windows or Linux Server Hardware
- IE, Chrome, Safari, Opera, Firefox Browser Support
- Panoramic / 360° Camera Lens Support
- Multi-Monitor & Video Wall Functionality
- Active-Directory Integration
- Multi-Level Programmable Maps with Events
- Digital Mouse or USB Joystick PTZ Control
- Thumbnail and Smart Motion Search
- Support for Access/Control, LPR & Video Analytics
- Audit Trail (Logs All System Actions - Exportable)
- SDK Available

INTRODUCTION

Exacqvision is a powerful video management software system allowing users to create advanced security systems using the latest generation IP camera hardware. Three software versions are available depending on the size of the site. These include a starter, professional and enterprise version.

MULTI-PLATFORM SUPPORT

Exacqvision can be installed on Windows or Linux server platforms and has client software support for Windows, Linux, Mac OS, Ipad/Iphone, Kindle-Fire & Android Devices.

POWERFUL PLAYBACK CAPABILITY

Video and audio can be reviewed in several ways. These include a standard time/date lookup, as well as a timeline bar, smart motion search as well as time snapshot thumbnail view.

OTHER FEATURES

Some other features include an optional health manager software module which allows monitoring of IP hardware and server health, HDD failure, video loss and temperature levels. A VMware compatible appliance can also be provided for users wishing to implement such a a setup.

MAPPING

Some new features include multi-mapping support where multiple layers or floors of a building can be featured with event notification for alarms/motion/camera issues being displayed live on these maps.

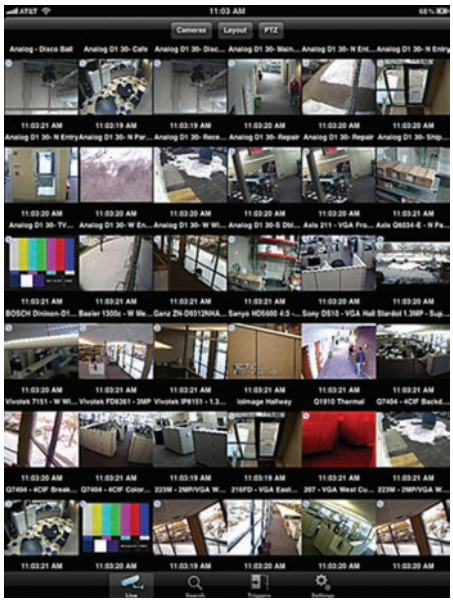
3rd Party IP Products Supported

- ACTI
- Axis
- Arecont Vision
- Pelco
- Bosch
- Interlogix/GE
- HIK Vision
- VideoIQ
- IQinvision
- Ioimage
- CNB
- D-Link
- JVC
- DVTEL
- Brickom
- Messoa
- Siqura
- Panasonic
- Sony
- American Dynamics
- Vivotek
- Basler
- Samsung
- Honeywell
- Cohu
- Toshiba
- Canon

EXACQVISION MOBILE APPLICATIONS

Exacqvision features full live monitoring and search capability via mobile devices such as Ipads, Iphones, Kindle Fire Devices and Google Android Phones & Tablets. This is supported with by all software versions.

- Single or Mult-Screen View
- View Cameras from Multiple Servers
- Event Trigger Notification & Assessment
- Full PTZ Camera Control with Presets
- Video Playback via Time/Date
- Video Jog Shuttle Bar
- Save or Email Camera Snapshots



MODEL	DESCRIPTION
E-EV-START-01	ExacqVision START Version - IP Camera Software License - 1 IP Camera
E-EVIP-01	ExacqVision PROFESSIONAL Version - IP Camera Sofwtare License - 1 IP Camera
E-EVES-01	ExacqVision ENTERPRISE Add-On - Enterprise Server Option for ExacqVision PROFESSIONAL servers. Price is per-server
E-EHM-01	ExacqVision HEALTH MONITOR Add-On - Enterprise Health Monitor Option for ExacqVision PROFESSIONAL Servers.

SOFTWARE VERSION FUNCTION MATRIX

VERSION	exacqVision START	exacqVision PROFESSIONAL	exacqVision ENTERPRISE	exacqVision EDGE
OS Compatibility	Windows/Linux	Windows/Linux	Windows/Linux	Camera OS
Free Client Software	Windows/Linux/Mac	Windows/Linux/Mac	Windows/Linux/Mac	Windows/Linux/Mac
Max Cameras Per Hardware Server	16 Analog / 16 IP	64 Analog / 128 IP	64 Analog / 128 IP	1 IP Camera or Encoder
Max Server Connections Per Client	1	512 (thick client) / 16 (web client)	512 (thick client) / 16 (web client)	512 (thick client) / 16 (web client)
Bandwidth Throttling	Yes	Yes	Yes	Yes
Pre-Post Alarm Recording	Yes	Yes	Yes	Yes
iSCSI Support	N/A	Yes	Yes	
Time-Lapse Recording	N/A	Yes	Yes	Yes
exacqVision Surveillance Keyboard Support	N/A	Yes	Yes	Yes
3rd Party Client Joystick Configuration	N/A	Yes	Yes	Yes
Soft Triggers	N/A	Yes	Yes	Yes
Audit Trail	N/A	Yes	Yes	Yes
Custom User Groups	N/A	Yes	Yes	Yes
3rd Party Integrations	Command Line	Yes	Yes	Yes
Installs to IP Edge Device	N/A	N/A	N/A	Yes
Multi-Monitor & Video Wall	Yes	Yes	Yes	Yes
Event Linking	Discrete Inputs Only	Yes	Yes	Yes
Event-Driven Video Switching	N/A	Yes	Yes	Yes
Multistreaming	N/A	Yes	Yes	Yes
Event Notifications	N/A	Yes	Yes	Yes
Maps	N/A	Single-layer	Multi-layer	Multi-layer
Multi-Camera Playback	Yes	Yes	Yes	Yes
Simultaneous Video Export	N/A	Yes	Yes	Yes
Thumbnail & Graphic Search Display	Yes	Yes	Yes	Yes
Event Search	Yes	Yes	Yes	Yes
POS & ATM Serial Text Search	Yes	Yes	Yes	Yes
Smart Search	N/A	Yes	Yes	Yes
Enterprise Cameras	N/A	N/A	Yes	Yes
Enterprise Server Monitoring	N/A	N/A	Yes	Yes
Enterprise User Setup	N/A	N/A	Yes	Yes
LDAP / Active Directory	N/A	N/A	Yes	Yes
Health Monitoring	N/A	E-mail	Enterprise Health Monitor Option	Yes
Software Updates Included	90 Days	1 Year	1 Year	N/A
Upgradeable to Next Tier	Yes	Yes	N/A	N/A

HARDWARE SERVER ORDERING INFO

All servers are based on professional Dell or HP hardware and are supplied tested, configured & ready to install.

4Ch/8Ch Start NVR

16Ch Start / Professional NVR

24Ch / 32Ch Professional RAID-5 NVR

32Ch Professional RAID-5 NVR

32Ch or 64Ch Enterprise RAID-6 NVR

MODEL	E-NVR-EX4S	E-NVR-EX8S	E-NVR-EX16S	E-NVR-EX16P	E-NVR-EX24P	E-NVR-EX32PA	E-NVR-EX32PB	E-NVR-EX32E	E-NVR-EX64EA	E-NVR-EX64EB
Software Version	START	START	START	PROF	PROF	PROF	PROF	ENTERPRISE	ENTERPRISE	ENTERPRISE
IP Camera Channels	4	8	16	16	24	32	32	32	64	64
Redudant Storage	N/A	N/A	N/A	N/A	RAID-5	RAID-5	RAID-5	RAID-6	RAID-6	RAID-6
Actual HDD Storage Space	2.5TB	3.5TB	6TB	6TB	6TB	9TB	15TB	6TB	18TB	18TB
Operating System	Windows8	Windows8	Windows8	Windows8	Windows Server 2012	Windows Server 2012	Windows Server 2012	Windows Server 2012	Windows Server 2012	Linux
Type	Professional Workstation	Professional Workstation	Professional Workstation	Professional Workstation	Enterprise Tower Server	Enterprise Tower Server	Enterprise Tower Server	Enterprise Rack Server	Enterprise Rack Server	Enterprise Rack Server
Estimated Storage Time*	45 Days	31 Days	27 Days	27 Days	18 Days	20 Days	33 Days	13 Days	20 Days	20 Days

*** Estimated Recording Storage Time Based on the Connected IP Cameras Recording at 1.3 Megapixel (720P) at 15fps with 30% Motion In the Image**

E-P12 Series

Axis 720PHD Covert IP Cameras

AXIS COMMUNICATIONS

ONVIF HD 720

E-P1214

COVERT IP VIDEO SURVEILLANCE

Designed for covert video surveillance, the P12 series consists of a pinhole 720P HD camera and an ethernet interface box connected by an 8mtre cable. The product provides hi-definition video at full frame rate and can be powered by POE or 8~28VDC. This ONVIF compliant product is supported by a large variety of VMS/NVR packages. Onboard edge recording is also supported via the microSD card slot. Two models are availble, one for right angle mounting and one with a straight pinhole lens.

FEATURES

- 720P HD Recording
- H.264 IP Encoding
- Onboard Edge Recorditng
- Alarm I/O
- POE Powered
- ONVIF Compliant

E-P1204

MODEL	E-P1204	E-P1214
Sensor	1/4" Progressive Scan CMOS	1/4" Progressive Scan CMOS
Resolution	720P (1280x720)	720P (1280x720)
Lens	3.7mm Pinhole (F2.5)	2.8mm Pinhole (F2.5)
Viewing Angle	57°	81°
Compression	M-JPEG or H.264	M-JPEG or H.264
Image Format	320x240 ~ 1280x720	320x240 ~ 1280x720
Max Frame Rate	25fps at 1280x720	25fps at 1280x720
Min Illumination (F1.6)	1.2 Lux	1.2 Lux
Ethernet	100Base-TX (RJ45)	100Base-TX (RJ45)
Memory Card Slot	MicroSD/microSDHC/microSDXC slot supporting memory card up to 64 GB (card not included)	MicroSD/microSDHC/microSDXC slot supporting memory card up to 64 GB (card not included)
Alarm I/O	1 x Alarm-In, 1 x Alarm-Out	1 x Alarm-In, 1 x Alarm-Out
Dimensions (mm)	21.5 x 21mm (Camera) & 104x76x31mm (Encoder)	20 x 40mm (Camera) & 104x76x31mm (Encoder)
Power	Power over Ethernet IEEE 802.3af Class 2 (max. 6.49W) or 8 – 28 V DC max 4.7 W	Power over Ethernet IEEE 802.3af Class 2 (max. 6.49W) or 8 – 28 V DC max 4.7 W
Operating Temperature	-20 °C to 50 °C	-20 °C to 50 °C

E-SNC-DH110

SONY

1.3 Megapixel Micro Indoor Dome

ONVIF Fixed Lens HD 720

E-SNC-DH210

SONY

3 Megapixel Micro Indoor Dome

ONVIF Fixed Lens Full HD 1080

E-SNC-DH120

SONY

1.3 Megapixel D/N Vari-Focal Indoor Dome

ONVIF Vari-Focal HD 720

Sensor:	1/3,8" Progressive Scan Exmor CMOS	1/2.8" Progressive Scan Exmor CMOS	1/3" Progressive Scan Exmor CMOS
Resolution:	1.3 Megapixel	3 Megapixel	1.3 Megapixel
Max Format:	1280 x 960	2048 x 1536	1280 x 1024
Minimum Lux:	5.5 Lux	3 Lux	0.5 Lux (Color), 0.3 Lux (B/W)
Day/ Night:	Electronic	Electronic	Mechanical Cut-Filter
Infra-Red:	No	No	No
Max FPS:	30fps @ 1280 x 960	30fps @ 1280x720 or 15fps @ 1280x1080	30fps @ 1280x720 or 20fps @ 1280x1024
Compression:	H.264, MPEG-4, JPEG	H.264, MPEG-4, JPEG	H.264, MPEG-4, JPEG
Lens:	2.34mm (F2.8) 79° H	3.3mm (F2.8) 88° H	3.1 to 8.9mm (F1.2~F2.1)
Video Output:	Yes - PAL/NTSC	Yes - PAL/NTSC	Yes - PAL/NTSC
Audio:	No	No	No
Alarm I/O:	1 x Alarm Input	1 x Alarm Input	No
Onboard Storage:	No	No	No
Power:	POE (IEEE802.3af) 2.4W	POE (IEEE802.3af) 2.4W	POE (IEEE802.3af) 6.0W
Dimensions:	ø 106 x 56.5 mm	ø 106 x 56.5 mm	ø 140 x 118 mm
Other:	3 Mpixel Model Available	Vandal Model Available	Vandal Resistant & Zoom/Focus from Browser

E-SNC-DH120T

SONY

1.3 Megapixel Vari-Focal Vandal Indoor Dome

ONVIF · Vari-Focal · Vandal Resistant · HD 720

E-SNC-DH160

SONY

1.3 Megapixel IR Outdoor Vandal Dome

ONVIF · Vari-Focal · Vandal Resistant · HD 720

E-SNC-DH280

SONY

3 Megapixel IR WDR Outdoor Vandal Dome

ONVIF · Vari-Focal · WDR · Vandal Resistant · Full HD 1080

Sensor:	1/3" Progressive Scan Exmor CMOS	1/3" Progressive Scan Exmor CMOS	1/2.8" Progressive Scan Exmor CMOS
Resolution:	1.3 Megapixel	1.3 Megapixel	3 Megapixel
Max Format:	1280 x 1024	1280 x 1024	1280 x 1024
Minimum Lux:	0.5 Lux (Color), 0.3 Lux (B/W)	Color: 0.22 lx, B/W: 0 lx - IR ON	Color: 0.22 lx, B/W: 0 lx - IR ON
Day/ Night:	Mechanical Cut-Filter	Mechanical Cut-Filter	Mechanical Cut-Filter
Infra-Red:	No	Yes - 21 x 850nM Infra-Red LEDs	Yes - 21 x 850nM Infra-Red LEDs
Max FPS:	30fps @ 1280x720 or 20fps @ 1280x1024	30fps @ 1280 x 720	30fps @ 1280 x 720
Compression:	H.264, MPEG-4, JPEG	H.264, MPEG-4, JPEG	H.264, MPEG-4, JPEG
Lens:	3.1mm to 8.9mm (F1.2 to F2.1) 85° to 31.2°	3.1 to 8.9mm (F1.2~F2.1) 85° to 31.2°	3.1 to 8.9mm (F1.2~F2.1)
Video Output:	Yes - PAL/NTSC	Yes - PAL/NTSC	Yes - PAL/NTSC
Audio:	No	Microphone / Line-In & Audio Out	Microphone / Line-In & Audio Out
Alarm I/O:	1 x Alarm Input, 1 x Alarm Out	1 x Alarm In, 2 x Alarm Out	1 x Alarm In, 2 x Alarm Out
Onboard Storage:	No	No	No
Power:	POE (IEEE802.3af) 6W	24VAC, 12VDC or POE (23W)	24VAC, 12VDC or POE (29W)
Dimensions:	ø 140 x 119 mm	ø 166 x 119 mm	ø 166 x 119 mm
Other:	IK10 Vandal Resistant & Zoom/Focus from Browser	Zoom/Focus from Browser	Zoom/Focus from Browser & 90dB WDR (ViewDR Technology)

E-SNC-VM600B

SONY

1.3 Megapixel 30fps WDR Indoor Dome

ONVIF · WDR · Vari-Focal · HD 720

E-SNC-VM600

SONY

1.3 Megapixel 60fps WDR Indoor Dome

ONVIF · WDR · Vari-Focal · HD 720

E-SNC-VM630

SONY

2 Megapixel 60fps WDR Indoor Dome

ONVIF · WDR · Vari-Focal · Full HD 1080

Sensor:	1/3" Progressive Scan Exmor CMOS	1/3" Progressive Scan Exmor CMOS	1/2.9" Progressive Scan Exmor CMOS
Resolution:	1.3 Megapixel	1.3 Megapixel	2 Megapixel
Max Format:	1280 x 1024	1280 x 1024	1920 x 1080
Minimum Lux:	Color : 0.05 lx, B/W : 0.04 lx (F1.2, 50 IRE, 30fps)	Color : 0.05 lx, B/W : 0.04 lx (F1.2, 50 IRE, 30fps)	Color : 0.1 lx, B/W : 0.07 lx (F1.2, 50 IRE, 30fps)
Day/ Night:	Mechanical Cut-Filter	Mechanical Cut-Filter	Mechanical Cut-Filter
W/ Dynamic Range:	Yes, equivalent to 130dB (ViewDR Technology)	Yes, equivalent to 130dB (ViewDR Technology)	Yes, equivalent to 90dB (ViewDR Technology)
Max FPS:	30fps @ 1280 x 1024	60fps @ 1280 x 1024	60fps @ 1920 x 1080
Compression:	H.264, JPEG	H.264, JPEG	H.264, JPEG
Lens:	2.8 to 8.0mm (F1.2~F1.95)	3.0 to 9.0mm (F1.2~F2.1)	3.0 to 9.0mm (F1.2~F2.1)
Video Output:	Yes - PAL/NTSC	Yes - PAL/NTSC	Yes - PAL/NTSC
Audio:	Microphone / Line-In & Audio Out	Microphone / Line-In & Audio Out	Microphone / Line-In & Audio Out
Alarm I/O:	2 x Alarm In, 2 x Alarm Out (24VDC @ 1A)	2 x Alarm In, 2 x Alarm Out (24VDC @ 1A)	2 x Alarm In, 2 x Alarm Out (24VDC @ 1A)
Storage:	Yes (SD Card Slot)	Yes (SD Card Slot)	Yes (SD Card Slot)
Power:	24VAC, 12VDC or POE (6W)	24VAC, 12VDC or POE (6W)	24VAC, 12VDC or POE (6W)
Dimensions:	ø 148 x 108 mm	ø 148 x 108 mm	ø 148 x 108 mm
Other:	Focus/Zoom from Browser, Optional Vandal Model	Focus/Zoom from Browser, Optional Vandal Model	Focus/Zoom from Browser, Optional Vandal Model

E-SNC-CH110

SONY

1.3 Megapixel Indoor Bullet Camera

ONVIF · Fixed Lens · HD 720

E-SNC-CH210

SONY

3 Megapixel Indoor Bullet Camera

ONVIF · Fixed Lens · Full HD 1080

E-SNC-CH120

SONY

1.3 Megapixel Day/Night CS Mount Box Camera

ONVIF · Vari-Focal · HD 720

Sensor:	1/3,8 Progressive Scan	1/2.8" Sony Exmor CMOS	1/3" Progressive Scan Exmor CMOS
Resolution:	1.3 Megapixel	3 Megapixel	1.3 Megapixel
Max Format:	1280 x 960	2048 x 1536	1280 x 1024
Minimum Lux:	5.5 Lux	3 Lux	Color : 0.5 lx, B/W : 0.3 lx (F1.2)
Day/ Night:	Electronic	Electronic	Mechanical Cut-Filter
Infra-Red:	No	No	No
Max FPS:	30fps @ 1280x960	15fps @ 1280x1080	30fps @ 1280 x 720
Compression:	H.264, MPEG-4, JPEG	H.264, MPEG-4, JPEG	H.264, MPEG-4, JPEG
Lens:	2.34mm (F2.8) 79° H	3.3mm (F2.8) 88° H	2.8 to 8.0 mm (F1.2~F1.9)
Video Output:	Yes - PAL/NTSC	Yes - PAL/NTSC	Yes - PAL/NTSC
Audio:	No	No	No
Alarm I/O:	1 x Alarm Input	1 x Alarm Input	1 x Alarm In, 1 x Alarm Out
Onboard Storage:	No	No	No
Power:	POE (IEEE802.3af) 2.4W	POE (IEEE802.3af) 2.4W	POE (IEEE802.3af) 5W
Dimensions:	ø 44 x 93 mm	ø 44 x 93 mm	72 x 63 x 197 mm
Other:	Excludes Bracket	Excludes Bracket	Focus from Browser

E-SNC-VB600

SONY

1.3 Megapixel 60fps WDR CS Mount Box Camera

ONVIF · WDR · Vari-Focal · HD 720

E-SNC-VB630

SONY

2 Megapixel 60fps WDR CS Mount Box Camera

ONVIF · WDR · Vari-Focal · Full HD 1080

E-SNC-CH180

SONY

1.3 Megapixel IR WDR Outdoor Camera

ONVIF · Vari-Focal · WDR · HD 720

Sensor:	1/3" Exmor Sensor	1/2.9" Exmor Sensor	1/3" Exmor Sensor
Resolution:	1.3 Megapixel	2 Megapixel	1.3 Megapixel
Max Format:	1280 x 1024	1920 x 1080	1280 x 1024
Minimum Lux:	Color : 0.05 lx, B/W : 0.04 lx (50IRE, 30fps, F1.2)	Color : 0.1 lx, B/W : 0.07 lx (50IRE, 30fps, F1.2)	Color: 0.22 lx, B/W: 0 lx - IR ON
Day/ Night:	Mechanical Cut-Filter	Mechanical Cut-Filter	Mechanical Cut-Filter & 27 x 850nM Infra-Red LEDs
W/ Dynamic Range:	Yes, equivalent to 130dB (ViewDR Technology)	Yes, equivalent to 90dB (ViewDR Technology)	Yes, equivalent to 130dB (ViewDR Technology)
Max FPS:	60fps @ 1280 x 1024	60fps @ 1920 x 1080	30fps @ 1280 x 720
Compression:	H.264, MPEG-4, JPEG	H.264, MPEG-4, JPEG	H.264, MPEG-4, JPEG
Lens:	2.8 to 8.0 mm (F1.2~F1.95)	2.8 to 8.0 mm (F1.2~F1.95)	3.1 to 8.9mm (F1.2~F2.1)
Video Output:	Yes - PAL/NTSC	Yes - PAL/NTSC	Yes - PAL/NTSC
Audio:	Microphone or Line-In & Audio Out	Microphone or Line-In & Audio Out	Mic-Line-In & Audio Out
Alarm I/O:	2 x Alarm In, 2 x Alarm Out (24DC @1A)	2 x Alarm In, 2 x Alarm Out (24DC @1A)	1 x Alarm In, 2 x Alarm Out
Storage:	SD Card	SD Card	CF Card
Power:	24VAC, 12VDC or PoE 802.3af (6W)	24VAC, 12VDC or PoE 802.3af (6W)	24VAC, 12VDC or POE (30W)
Dimensions:	72 x 63 x 197 mm (with lens)	72 x 63 x 197 mm (with lens)	ø 93 x 186 mm
Other:	Focus from Browser	Focus from Browser	Zoom/Focus from Browser

E-SNC-RS86P/E-SNC-RS164

SONY

Sony Day/Night IP Outdoor Speed Dome Camera

ONVIF | Vandal Resistant | STD | HD 720 | 10X Zoom | 36X Zoom

FEATURES

- High Speed Pan/Tilt/Zoom
- Vandal Resistant Glass
- MPEG4, H.264 & JPEG IP Encoding
- Dual Encoding
- Alarm I/O
- IP66 Weatherproof
- ONVIF Compliant
- Depa Advanced Video Analytics Support

MODEL	E-SNC-RS86P	E-SNC-RS164
Sensor	1/4" Exwave HAD CCD	1/3" HD CMOS
Resolution	530TVL	Approx 2 Megapixel
Lens	36x Optical Auto Focus Zoom	10x Optical Auto Focus Zoom
Aperature	F1.4 (Wide) ~ F3.0 (Tele)	F1.8 (Wide) ~ F2.1 (Tele)
Pan Angle	360° endless rotation	360° endless rotation
Tilt	210°(with e-flip)	210°(with e-flip)
Tilt Speed	400°/sec	400°/sec
Compression	JPEG, MPEG-4 or H.264	4 x Alarm-In, 2 x Alarm-Out
Image Format	720x480, 720X576, 640x480 (VGA), 384X288, 320X240 (QVGA)	1280x720, 1024X576, 800x480, 786x576, 640x480 (VGA), 384X288, 320X240 (QVGA)
Max Frame Rate	25fps at 720x576	10fps at 1280x720
Min Illumination (F1.6)	0.4 Lux (Colour), 0.09 Lux (B/W)	2.1 Lux (Colour), 0.19 Lux (B/W)
Ethernet	100Base-TX (RJ45)	100Base-TX (RJ45)
Card Slot	1 x CF Card	1 x CF Card
Analog Video Output	Yes (PAL, BNC 1Vp~p75ohm)	Yes (PAL, BNC 1Vp~p75ohm)
Alarm I/O	4 x Alarm-In, 2 x Alarm-Out	4 x Alarm-In, 2 x Alarm-Out
Exernal Microphone Input	Yes (mini-jack)	Yes (mini-jack)
Dimensions (mm)	238x344mm	238x344mm
Power	24VAC (78W)	24VAC (80W)

E-SNC-EP580

SONY

Sony Indoor Day/Night 1080p HD Wide Dynamic IP PTZ Speed Dome Camera with 20x Zoom

ONVIF | 20X Zoom | Full HD 1080

FEATURES

- 1080p Resolution at 30fps Max
- WideD Wide Dynamic Range Function
- 20x Optical Zoom
- High Power over Ethernet capability (IEEE802.3at)
- Triple Codec Network Operation
- ONVIF Compliant
- SD Card Slot for Onboard Recording

Designed for internal use, the **E-SNC-EP580 PTZ** dome camera delivers excellent picture quality at 1080p resolution (1920x1080, 30fps).

This level of clarity combined with the state-of-the-art image processing and a high speed panning capability makes the camera one of the highest resolution PTZ cameras on the market. With a total tilt range of 105° and a 360° endless high-speed panning capability, it can cover a wide monitoring area quickly and with a high level of detail. It is ideally suited for surveillance of large spaces such as shopping centres, manufacturing plants or indoor public spaces.

HPoE (High Power over Ethernet) capability and support for multiple codecs provides ultimate flexibility for system design, integration and installation.

These cameras also feature ONVIF (Open Network Video Interface Forum) compliance for easy interoperability with IP monitoring products from a variety of manufacturers.

Other features include a day/night mechanical IR switch-over which makes the camera sensitive to IR light and an SD card slot which allows for onboard recording.

E-SNC-ER585

Sony Day/Night IP Outdoor Speed Dome Camera

SONY

ONVIF | Vandal Resistant | 30x Zoom | Full HD 1080

Above the Horizon Tilt

FEATURES

- **High Speed Pan/Tilt/Zoom**
- **Above the Horizon Tilt Capability**
- **Vandal Resistant Glass**
- **MPEG4, H.264 & JPEG IP Encoding**
- **Alarm I/O**
- **IP66 Weatherproof**
- **SD Card Slot for Onboard Recording**
- **-40 to 60°C Operating Temperature**

MODEL	E-SNC-ER585
Sensor	1/2.8" Exmor CMOS
Resolution	Approx 3.27 Megapixel
Lens	30x Optical Auto Focus Zoom (4.3mm~129mm)
Aperature	F1.6 (Wide) ~ F4.7 (Tele)
Wide Dynamic Range	Yes, equivalent to 86dB (DynaView Technology)
Pan Angle	360° endless rotation
Tilt	210° (-15° Tilt Up)
Tilt Speed	300°/sec
Compression	4 x Alarm-In, 2 x Alarm-Out
Image Format	1920 x 1080, 1680 x 1056, 1280 x 1024, 1440 x 912, 1280 x 960, 1376 x 768, 1280 x 800, 1280 x 720
Max Frame Rate	30fps at 1920x1080 (H.264)
Min Illumination (50IRE, F1.6)	1.7 Lux (Colour), 0.3 Lux (B/W)
Ethernet	10/100Base-TX (RJ45)
Card Slot	1 x SD Card
Analog Video Output	Yes (PAL, BNC 1Vp~p75ohm)
Alarm I/O	2 x Alarm-In, 1 x Alarm-Out
Exernal Microphone Input	Yes (mini-jack)
Input	76W (Heater On), 26W (Normal Operation)
Dimensions (mm)	222 (Diam) x 324mm (Length)

E-M3007-P / E-M3007-PV

Axis 360° 5 Megapixel Panoramic IP Cameras with Digital PTZ

AXIS COMMUNICATIONS

ONVIF

360° IP VIDEO SURVEILLANCE

The **E-M3007-P** and **E-M3007-PV** are discrete 5 Megapixel IP cameras which are capable of providing 360° panoramic views. Several viewing modes are available including panorama, double panorama and various quad views. The user is also able to digitally pan/tilt and zoom the image. The E-M3007-PV is an outdoor model featuring a vandal-resistant casing. These are ideal for retail stores, production areas or warehouses.

FEATURES

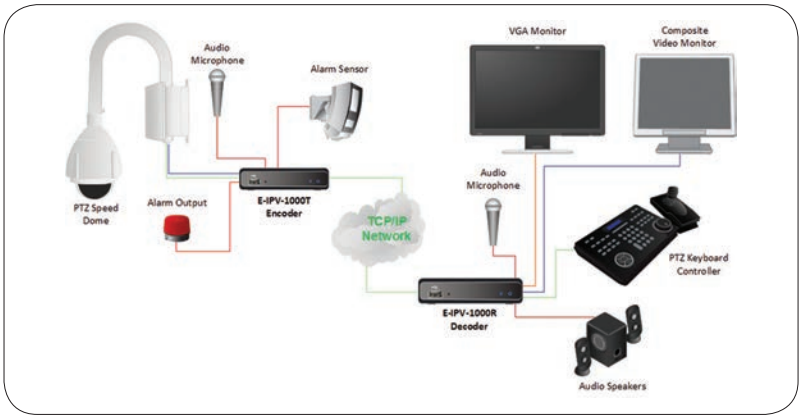
- **5 Megapixel HD Recording**
- **H.264 IP Encoding**
- **Onboard Edge Recording**
- **3-Axis Adjustment**
- **Wall or Ceiling Mountable**
- **POE Powered**
- **ONVIF Compliant**

MODEL	E-M3007-P	E-M3007-PV
Sensor	1/3.2" Progressive Scan CMOS	1/3.2" Progressive Scan CMOS
Resolution	5 Megapixel (2544 x 1944)	5 Megapixel (2544 x 1944)
Lens	1.3mm Panoramic [F2.8)	1.3mm Panoramic [F2.8)
Viewing Angle	360° Panoramic	360° Panoramic
Compression	M-JPEG or H.264	M-JPEG or H.264
Max Frame Rate	12fps at 2544x1944	12fps at 2544x1944
Min Illumination (F1.6)	0.6 Lux at F2.8	0.6 Lux at F2.8
Ethernet	100Base-TX (RJ45)	100Base-TX (RJ45)
Memory Card Slot	MicroSD/microSDHC/microSDXC slot supporting memory card up to 64 GB (card not included)	MicroSD/microSDHC/microSDXC slot supporting memory card up to 64 GB (card not included)
Dimensions (mm)	131mm (Diam) x 53mm (Height)	131mm (Diam) x 65mm (Height)
Power	Power over Ethernet IEEE 802.3af Class 2 (max. 4.6W)	Power over Ethernet IEEE 802.3af Class 2 (max. 4.6W)
Casing	Aluminum and Polycarbonate ABS casing	IP42 water- and dust-resistant, IK08 impact-resistant, aluminum and polycarbonate/ABS casing

E-IPV1000T/E-IPV-1000R

IP Video Encoder (Tx) / Decoder (Rx) Set

ONVIF H.264 NEX PTZ Audio



IP VIDEO ENCODING

The **E-IPV1000T** is an analog video input encoder which converts analog video to an ethernet video IP stream. Using H.264 video compression to stream over a network connection, the unit is compatible with the **E-IPV1000R** which receives the signals and decodes it. The decoded signal is outputed as either a VGA or a composite video signal.

The **E-IPV1000T** is also compatible with our E-DVR-1640HD hybrid digital video recorder which receives the encoded video stream, displays the video and records it to disk. For web browser based applications, the E-IPV1000T has an integrated web server which can be accessed.

FEATURES

- **H.264 IP Encoding/Decoding**
- **4CIF 30fps Encoding**
- **RS485 PTZ Control**
- **12VDC/24VAC/POE Powered**
- **ONVIF Compliant**

MODEL	E-IPV1000T	E-IPV1000R
Video Input	1 x Composite Video In (BNC)	N/A
Video Output	N/A	One (VGA or Composite Video)
Compression	H.264, MPEG-4 & JPEG	H.264, MPEG-4 & JPEG
Maximum Frame Rate	30fps at 4CIF	30fps at 4CIF
Audio Input/Output	1 x Audio In, 1 x Audio Out	1 x Audio In, 1 x Audio Out
Alarm	1 x Alarm In, 1 x Alarm Relay Out	N/A
Aux	RS485 Output	RS485 Input
Ethernet Interface	10/100Mbps (RJ45)	10/100Mbps (RJ45)
USB Port	Yes (USB 2.0)	Yes (USB 2.0)
Compatible Hardware	E-DVR-1640HD, E-iNEX or E-IPV1000R	E-IPV1000T
Dimensions (WxLxH)	119 x 108.4 x 28.5	119 x 108.4 x 28.5
Power	12VDC/24VAC/PoE (Max 4W)	5VDC @ 0.8A
Operating Temperature	0°C to 50 °C	-20 °C to 50 °C

E-SNT-EX101

SONY

Sony 1Ch IP Video Encoder

ONVIF H.264 PTZ Audio

E-Q7401

AXIS COMMUNICATIONS

Axis 1Ch IP Video Encoder with 4 x Alarm I/O

ONVIF H.264 PTZ Audio

E-Q7404

AXIS COMMUNICATIONS

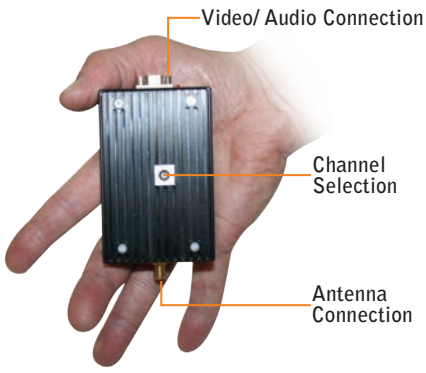
Axis 4Ch IP Video Encoder with 4 x Alarm I/O

ONVIF H.264 PTZ Audio

Video Input	1 x Composite Video Input (BNC) - PAL/NTSC	1 x Composite Video Input (BNC) - PAL/NTSC	4 x Composite Video Input (BNC) - PAL/NTSC
Max Resolution	720 x 576 (PAL)	720 x 576 (PAL)	720 x 576 (PAL)
Video Compression	H.264 & M-JPEG	H.264 & M-JPEG	H.264 & M-JPEG
Audio I/O	2-Way (External Microphone Input / Line Input & Line Level Output)	2-Way (External Microphone Input / Line Input & Line Level Output)	2-Way (External Microphone Input / Line Input & Line Level Output)
Max FPS	25fps	25fps	25fps on each Channel
Video Buffer	N/A	Yes, 64MB (Pre/Post)	Yes, 64MB (Pre/Post)
Camera Power Output	N/A	Yes, 12VDC (5W)	Yes, 12VDC (16.1W)
PTZ	RS422/RS485	RS422/RS485	RS422/RS485
Alarm I/O	2 x Alarm Inputs & 2 x Alarm Outputs	4 x Configurable Alarm Inputs / Outputs	4 x Configurable Alarm Inputs / Outputs
Onboard Storage	SD/SDHC Card Slot (Card Excluded)	SD/SDHC Card Slot (Card Excluded)	SD/SDHC Card Slot (Card Excluded)
Power	24VAC (9.6W) PoE model also available (-E)	8~20VDC (7.2W) or PoE	8~20VDC (7.2W) or PoE
Dimensions	73 (W) x 34 (H) x 155 (D) mm	129 (L) x 99 (W) mm	129 (L) x 99 (W) mm
Casing	Metal Enclosure	Metal Enclosure - Stand-Alone or Wall Mount	Metal Enclosure - Stand-Alone or Wall Mount
Other	Onboard Video Analytics & Audio Detection	Onboard Video Analytics & Audio Detection	Onboard Video Analytics & Audio Detection

E-COFDM-TX

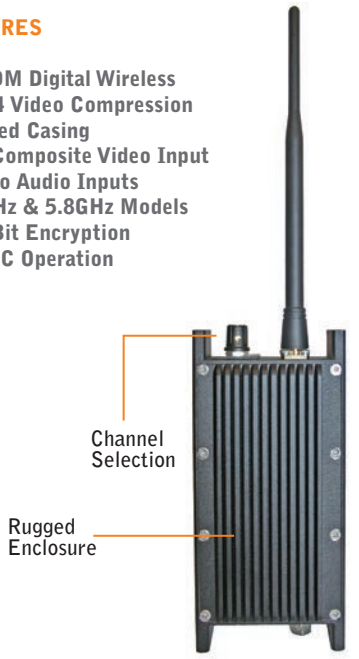
Digital Wireless Video & Audio Transmitters



E-COFDM-TX-MINI

FEATURES

- **COFDM Digital Wireless**
- **H.264 Video Compression**
- **Rugged Casing**
- **One Composite Video Input**
- **Stereo Audio Inputs**
- **2.4GHz & 5.8GHz Models**
- **128-Bit Encryption**
- **12VDC Operation**



E-COFDM-TX-MAXI

The **E-COFDM-TX-MINI** and **E-COFDM-TX-MAXI** are units designed for the secure wireless transmission of video and audio signals. They are suitable for non-line-of-site or line-of-site wireless applications.

COFDM MULTI-PATH TRANSMISSION

Our COFDM wireless products provide wireless transmission of video signals in areas of operation previously thought impossible. They also provide continous 25fps video signals without video break-up. These products are based on COFDM wireless technology which is a multi-path RF discipline where the signal is split into two thousand wireless carriers. With normal analog wireless transmission one relies on a single carrier (hence the picture break-up normally associated with analog wireless technology).

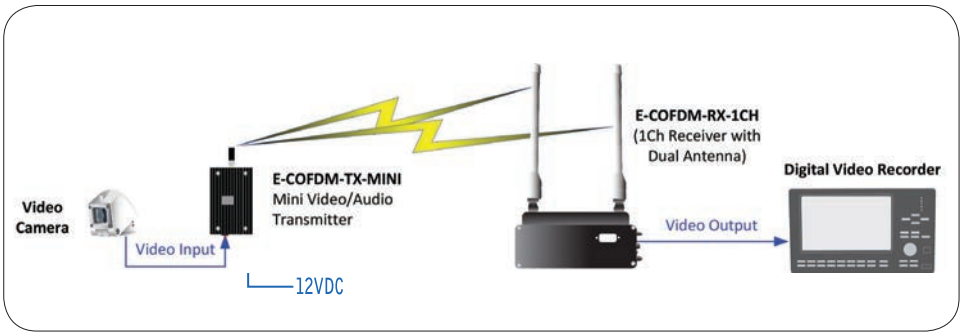
The benefit of this multi-path technology is that it means the video and audio can be transmitted from body-worn links, mobile vehicle platforms and fixed installations which have barriers in between transmission and reception.

BANDWIDTH

The **E-COFDM-TX-MINI** provides excellent distance and performance through its range of transmission bandwidths, and it has increased spectral efficiency in the 2 MHz and 1 MHz narrow bandwidth modes. This is the narrowest bandwidth available in any comparable product. The use of 4 MHz or 8 MHz modulation at shorter distances gives broadcast-quality image definition.

CONTROLS & CONFIGURATION

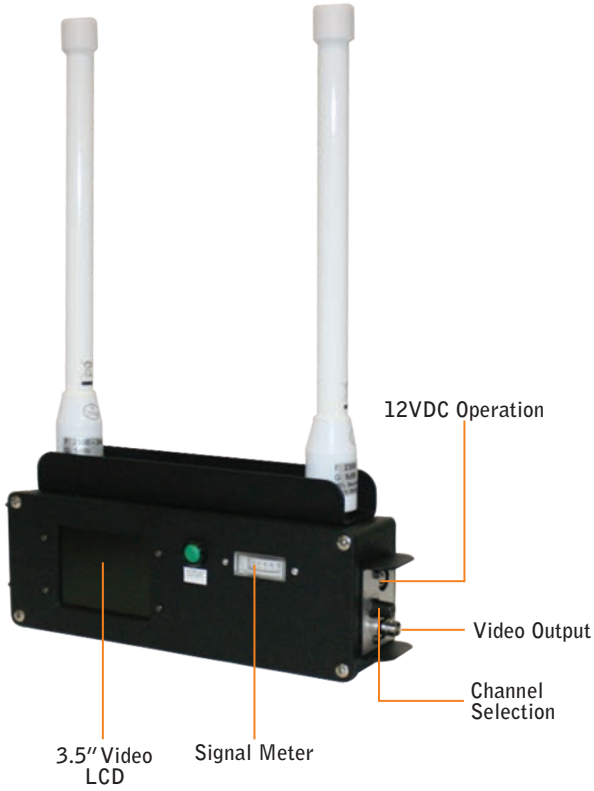
Designed for extremely simple and rugged operation & control, the **E-COFDM-TX-MINI** has a 16-way rotary switch for selecting between channels and different bandwidth settings. A Red LED confirms if the unit has link communication with the receiver unit. We have two models of receivers a one channel and a four channel. The four channel receiver is available as a 19" rack mount model or a unit suitable for mounting in an outdoor enclosure.



MODEL	E-COFDM-TX-MINI	E-COFDM-TX-MAXI
Frequency (2.4GHz Model)	2.28GHz ~ 2.485GHz	2.28GHz ~ 2.485GHz
Frequency (5.8GHz Model)	5.725GHz~5.850GHz	5.725GHz~5.850GHz
COFDM Standard	Proprietary DVB-T	Proprietary DVB-T
Channels	Upto 40 Factory Programmable	Upto 40 Factory Programmable
Channels (User Selectable)	Upto 16 Via Selection Dial	Upto 16 Via Selection Dial
Video Inputs	One	One
Audio Inputs	Two	Two
Video Compression Type	H.264	H.264
8MHz Bandwidth / Resolution	4CIF	4CIF
4MHz Bandwidth / Resolution	4CIF	4CIF
2MHz Bandwidth / Resolution	2CIF	2CIF
1MHz Bandwidth / Resolution	2CIF	2CIF
Wireless Range (Urban Built up NLOS)	100 ~ 200 mtrs	250 ~ 500 mtrs
Wireless Range (Line-of-Site)	10KMs	20KMs
Antenna Connector	SMA	N-Type
Encryption (On Order)	128-bit or 256-bit AES	128-bit or 256-bit AES
Video/Audio Connectors	Micro D-Sub	BNC/ Lemo
Power Connector	4-Pin Lemo	4-Pin Lemo
Power	12VDC (390mA)	12VDC (1.5A)
Dimensions	55 x 23 x 87	130 x 38 x 175
Weight	200g	1550g

E-COFDM-RX

COFDM Digital Wireless Receivers



INTRODUCTION

The **E-COFDM-RX-1CH** and **E-COFDM-RX-4CH** are rugged one channel and four channel receivers for wireless reception of video and audio from our range of COFDM transmitters.

DUAL DIVERSITY ANTENNA RECEPTION

Featuing dual antenna connections as standard, the **E-COFDM-RX-1CH** comes included with two N-type antenna omni-directional antennas. Other antennas are available on request. The 4ch model has quad diversity and connetions for four antennas.

BANDWIDTH

The **E-COFDM-RX-1CH** provides excellent distance and performance through its range of transmission bandwidths, and it has increased spectral efficiency in the 2 MHz and 1 MHz narrow bandwidth modes. This is the narrowest bandwidth available in any comparable product. Theuse of 4 MHz or 8 MHz modulation at shorter distances gives broadcast-quality image definition.

CONTROLS & CONFIGURATION

Designed for extremely simple and rugged operation & control, the **E-COFDM-RX-1CH** has a 16-way rotary switch for selecting between channels and different bandwidth settings. A Red LED confirms if the unit has link communication with the transmitter unit.

FEATURES

- **COFDM Wireless Technology**
- **H.264 Video Compression**
- **Rugged Casing**
- **Composite Video Output**
- **Stereo Audio Output**
- **Signal Strength Meter**
- **2.4GHz & 5.8GHz Models Available**
- **Optional LCD Video Display**
- **12VDC Operation**

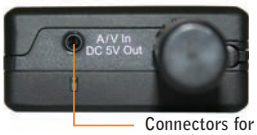
1Ch Receiver with Dual Diversity

4Ch Receiver with Quad Diversity

MODEL	E-COFDM-RX-1CH	E-COFDM-RX-4CH
Frequency (2.4GHz Model)	2.28GHz ~ 2.485GHz	2.28GHz ~ 2.485GHz
Frequency (5.8GHz Model)	5.725GHz~5.850GHz	5.725GHz~5.850GHz
COFDM Standard	Proprietry DVB-T	Proprietry DVB-T
Receiver Sensitivity	¬105dBm	¬105dBm
Video Output	1 x Composite Video Output	4 x Individual Composite Video Outputs
Audio Output	Stereo Output	N/A
Video Compression Type	H.264	H.264
Antenna Connector	2 x N-Type	4 x SMA
Display	Signal Lock & LED Strength Meter	Signal Lock & LED Strength Meter
Encryption (On Order)	128-bit or 256-bit AES	128-bit or 256-bit AES
Video/Audio Connectors	Video (BNC), Power (Lemo 2-Pin)	Video (BNC)
Power Connector	Lemo	Lemo
Power	12VDC (600mA)	12VDC (2.5A)
Dimensions (mm)	272 x 60 x 114	483 X 90 X 300
Weight	1600g	1600g
Optional Model	With 4" LCD Video Monitor	Different Enclosures available

E-240200-MC

Compact Analog Video/Audio Transmitter - 300m Range



MODEL	E-240200
Frequency	2.4 GHz (2413, 2432, 2451, 2470 MHz)
Channels	4 (Switch Selectable)
Output Power	100mW
Transmission	60m (indoors), 300m (outdoors, LOS)
Video Input	1Vp-p 75 ohms (RCA)
Audio Input	2Vp-p, Max (RCA)
Voltage & Current	5VDC (Includes Power Supply)
Camera Power	Yes, 5VDC for E-HEADCAM-2 (3.5mm)
Battery	Yes, 3.6VDC, 90 Minute Battery Life
Weight	55g
Dimensions (mm)	80 x 52 x 22
Antennas	SMA Female Connector

E-RX2460

Compact Video/Audio Receiver
For E-240200-MC Tx

MODEL	E-RX2460
Frequency	2.4 GHz (2413, 2432, 2470 MHz)
Video Output	1 Vp~p 75ohm
Audio Output	2 Vp~p
Voltage & Current	12VDC; 350mA
Operating Temp	-10°C ~ +40°C
Weight	63g
Dimensions (mm)	115 (L) x 80 (W) x 20 (H)

E-Q404MC

4ch Quad / Video Splitter Unit

MODEL	E-Q404MC
Video Inputs	4 x Composite Video Inputs
Video Output	1 x Composite Video
Display Format	Full, 2-Way, Quad, Sequential
Motion Detection	Yes, for switching Camera Views
Power Supply	5 VDC @ 1 A
Dimensions (mm)	92 (W) x 94 (H) x 26 (D)
Weight	550 g
Material	Steel

E-CD104B

Video Distribution Amplifier - 1 in and 4 out

MODEL	E-CD104B
Video Input Level	0.8 ~ 1.2 Vp-p,75 Ohms
Video Output Level	1 Vp-p (standard), 75 Ohms
Power Supply	12 VDC
Power Consumption	1.5A
Dimensions (mm)	78 (W) x 60 (H) x 25 (D)
Weight	380 g
Material	Aluminium

E-VGA2

Basic Composite Video to VGA Converter

MODEL	E-VGA2
Output	VGA (D-Sub)
Max VGA Resolution	(60Hz) 1280 x 1024
Input	Composite Video (PAL/NTSC Auto)
Power	5VDC 500mA (PSU included)
Dimensions (mm)	87 (L) x 64 (W) x 24 (H)

E-3000

Pre-amplified Mini Microphone - Tubular

MODEL	E-3000
Frequency	20-16000Hz
Impedance; 1KHz	600 ohms +/-20°
S/N Ratio	58dB
Power	12VDC;20mA
Dimensions (mm)	16 x 8 x 6

E-3300

High Sensitive Microphone

MODEL	E-3300
Frequency	20-10000Hz
Impedance KHz	8 ohms
S/N Ratio	63dB SPL
Power	12VDC; 30mA
Dimensions	6 x 18 x 4mm

E-6000

Pre-amplified Mini Microphone - Round

MODEL	E-6000
Frequency	20-16000Hz
Impedance; 1KHz	600 ohms +/-20°
S/N Ratio	58dB
Power	12VDC;20mA
Dimensions (mm)	6 x 18 x 6

RM-12DC-24

19" Rack Mount 24Ch 12VDC Power Supply Unit

The **E-RM-12DC-24** is a 19" rack mountable power supply with twenty four individual 12VDC outputs. Suitable to fit neatly into a 19" rack mount equipment cabinet, it has been designed specifically for CCTV installations. Featuring a 180~264VAC input, the unit has mains filtering and an IEC socket.

All outputs have high quality pluggable screw terminals which can easily be removed by the technician for wiring purposes. Outputs are also individually fuse protected with a resettable fuse rated upto a rating of 1.1Amps.

The unit itself is constructed of powder-coated steel and has an integrated cooling fan.

FEATURES

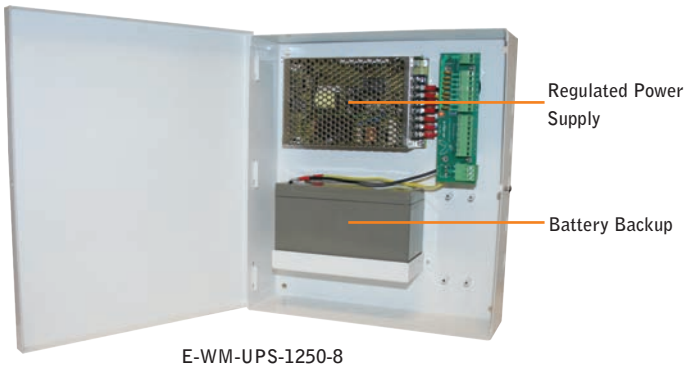
- **Power Outputs: 24 (Screw Terminals)**
- **Output Voltage: 12VDC Regulated**
- **Total Current Output: 12.5A**
- **Output Trip Current Per Channel: 1.1A per port**
- **Fuse Protection: Yes (Individual Resettable Fuses Per Ch)**
- **Dimensions: 430 x 20 x 44 (mm)**
- **19" Rack Mountable: Yes (1U)**
- **Mains Power Input: 180~264VAC (Standard) 90~132VAC (Optional)**

WM Series

Wall Mount Multi-Channel CCTV Power Supplies

FEATURES:

- **Fused Screw Terminal Camera Connections**
- **LED Power indication**
- **12VDC Switch Mode PSU**
- **88~264VAC Power Input**
- **Dimensions: 280 (W) x 305 (L) x 80 (H)**
- **Optional Battery Backup Models**



E-WM-UPS-1250-8

MODEL	E-WM-PSU-1250-8	E-WM-PSU-12100-16	E-WM-PSU-12150-16	E-WM-UPS-1250-8	E-WM-UPS-1250-16	E-WM-PSU-24300-16-AC
Outputs	8 Outputs	16 Outputs	16 Outputs	8 Outputs	16 Outputs	16 Outputs
Output Voltage	12VDC	12VDC	12VDC	12VDC	12VDC	24VAC
Output Current	4.2A	8.5A	12.5A	3.5A	3.5A	12A
Battery	No	No	No	Yes (7 Ah)	Yes (9 Ah)	No
Input Voltage	85 ~ 264VAC	85 ~ 264VAC	85 ~ 264VAC	88 ~ 264VAC	88 ~ 264VAC	220VAC
Operating Temp	-20 ~ +60 °C	-20 ~ +60 °C	-20 ~ +60 °C	-10 ~ +60 °C	-10 ~ +60 °C	-20 ~ +60 °C
Dimensions (WxHxD)	280x305x80mm	280x305x80mm	280x305x80mm	280x305x80mm	280x305x80mm	280x305x80mm

DR Series

Din-Rail Mountable Power Supplies

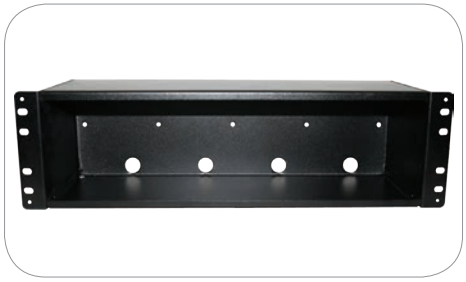
Our range of DR series power supplies are designed for din-rail mounting. Various models are available with different power ratings and output voltages. They are specifically suited for continuous operation in industrial environments.

Model	E-DR-1512	E-DR-4512	E-DR-120-12	E-DR-100-24	E-DR-ST315
Output Voltage	12VDC	12VDC	12VDC	24VDC	24VAC
Output Current	1.25A	3.5A	10A	4.5A	2.36A
Input Voltage	85 ~ 264VAC	85 ~ 264VAC	88 ~ 132VAC/176 ~ 264VAC	88 ~ 264VAC	230 VAC
Operating Temp	-20 ~ +60 °C	-10 ~ +50 °C	-10 ~ +60 °C	-20 ~ +60 °C	-20 ~ 40 °C
Dimensions (WxHxD)	25x93x56mm	78x67x93mm	65.5x125.2x100mm	100x93x56mm	105x85x68mm

DIN-RAIL RACKS

19" Rack Mount Din-Rail Mount Rack Cabinets

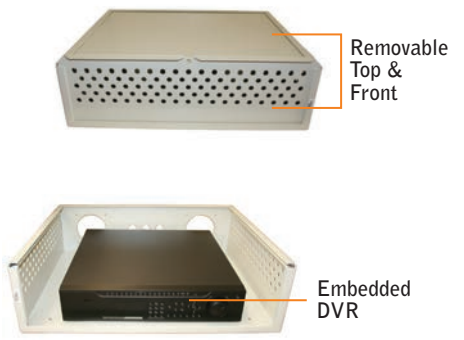
E-RACK-DIN-6U
(6U Rack for DIN Rail Modules)

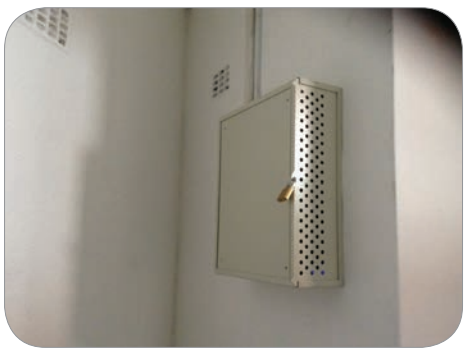


E-RACK-DIN-3U
(3U Rack for DIN Rail Modules)

E-LOCKBOX3

Vandal Resistant Embedded DVR Enclosure





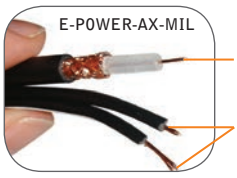
E-ENC

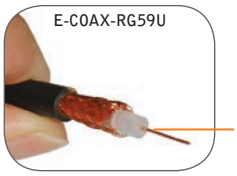
IP66 Weatherproof Equipment Cabinets

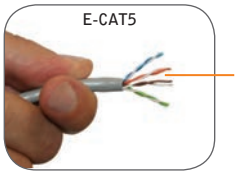
Each enclosure is supplied pre-fitted with a mains circuit breaker, screw terminals, dual din-rail mountable rails & cable glands. Add -FIB for an optional 3M 12-way splice box.

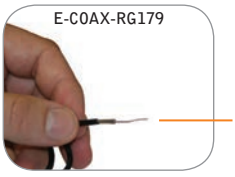
	Dimensions	Material
E-ENC-IP65-S-S	300 x 250 x 200mm	Powder-Coated Steel
E-ENC-IP65-S-M	500 x 400 x 200mm	Powder-Coated Steel
E-ENC-IP65-S-L	700 x 500 x 260mm	Powder-Coated Steel
E-ENC-IP65-S-XL	1000 x 800 x 320mm	Powder-Coated Steel
E-ENC-IP65-SS-S	350 x 250 x 170mm	304 Stainless Steel
E-ENC-IP65-SS-M	500 x 400 x 220mm	304 Stainless Steel
E-ENC-IP65-SS-L	600 x 500 x 220mm	304 Stainless Steel

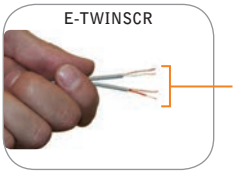
CABLES

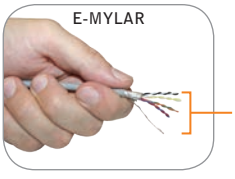












CONNECTORS & ADAPTORS

E-BMBF (RG59 to Fem RCA Adpt)

E-BNCLP (RG59 BNC Male)

E-BNCLS (RG59 BNC Fem)

E-DC21LP 2.1mm Male

E-RCA-SKT (RCA Fem)

E-RCA-PLY (RCA Male)

E-RB RCA Fem Barrel

E-BB BNC Barrel

E-RMBF (Fem BNC to RCA Male)

E-DC21LS (2.1mm Fem DC Socket)

E-RJ45C (CAT5 RJ45 Male Crimp)

E-BNCLP-RG179 (RG179 BNCMale Crimp)

E-C3214 / E-RJ-KIT

Co-Ax Tool Kit / Network Tool Kit

E-SIGN1

ABS CCTV Warning Sign - Portrait - 210 x 297mm

E-SIGN2

ABS CCTV Warning Sign - Landscape - 210 x 297mm

	E-C3214	E-RJ-KIT
Kit Includes	1 x Co-ax Crimping Tool, Co-ax Stripper & Cable Cutter	1 x RJ Crimping Tool, Cable Stripping Tool, Cable Tester, Utility Knife, Pliers, Screwdriver & Punch-Down Tool
Compatible Cable & Connectors	RG59 / RG58 / RG62 / RG6 / Power-Ax	RJ11/RJ12/RJ45 & UTP (CAT5 / CAT6)
Dimensions (mm)	260 (L) x 200 (W) x 48 (H) mm	????